



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 184106

TO: Shailendra Kumar
Location: rem/5C03/5C18
Art Unit: 1621
Friday, April 28, 2006
Case Serial Number: 10/502075

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1a69
Phone: 571-272-2518

BOB
barbara.obryen@uspto.gov

Search Notes

=> fil reg; d ide l28 1-2
FILE 'REGISTRY' ENTERED AT 13:49:13 ON 28 APR 2006
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STRUCTURE FILE UPDATES: 27 APR 2006 HIGHEST RN 882066-77-5
DICTIONARY FILE UPDATES: 27 APR 2006 HIGHEST RN 882066-77-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

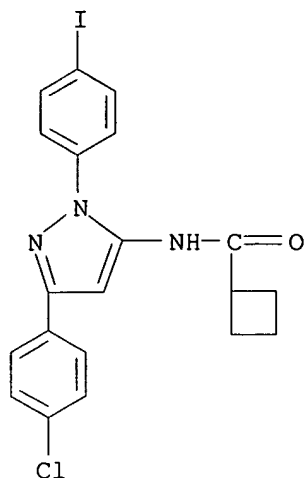
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

L28 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 562045-26-5 REGISTRY
ED Entered STN: 07 Aug 2003
CN Cyclobutanecarboxamide, N-[3-(4-chlorophenyl)-1-(4-iodophenyl)-1H-pyrazol-
5-yl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H17 Cl I N3 O
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL

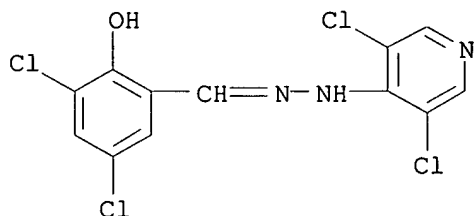
*compounds
of claim 12*



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 286832-83-5 REGISTRY
ED Entered STN: 20 Aug 2000
CN Benzaldehyde, 3,5-dichloro-2-hydroxy-, (3,5-dichloro-4-pyridinyl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF Cl2 H7 Cl4 N3 O
SR CAS Client Services
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil capl uspatf toxcenter chemcats; s l28
FILE 'CAPLUS' ENTERED AT 13:49:40 ON 28 APR 2006
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L29 5 L28

=> dup rem l29
DUPLICATE IS NOT AVAILABLE IN 'CHEMCATS'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L29
L30 4 DUP REM L29 (1 DUPLICATE REMOVED)
ANSWER '1' FROM FILE CAPLUS
ANSWER '2' FROM FILE USPATFULL
ANSWERS '3-4' FROM FILE CHEMCATS

=> d ibib ed abs hitrn 1-2; d iall 3-4

L30 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2003:570813 CAPLUS
DOCUMENT NUMBER: 139:113668
TITLE: β -secretase inhibitors for use in treatment of
diseases caused by deposits of β -amyloid peptides
INVENTOR(S): Dietrich, Axel; Nimz, Olaf; Rester, Ulrich; Fecke,
Wolfgang; Haemmerle, Marcus; Baier, Friedrich
PATENT ASSIGNEE(S): The Genetics Company Inc., Switz.
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059346	A1	20030724	WO 2003-EP504	20030120
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2473441	AA	20030724	CA 2003-2473441	20030120
AU 2003205630	A1	20030730	AU 2003-205630	20030120
EP 1467729	A1	20041020	EP 2003-702474	20030120
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
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US 2005239899	A1	20051027	US 2005-502075	20050418

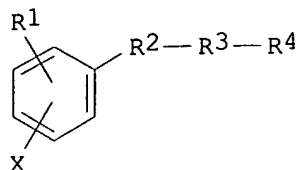
PRIORITY APPLN. INFO.:

EP 2002-1339	A	20020118
EP 2002-12566	A	20020605
WO 2003-EP504	W	20030120

OTHER SOURCE(S): MARPAT 139:113668

ED Entered STN: 25 Jul 2003

GI



AB The invention relates to novel substituted halophenyl inhibitors of β -secretase (II, R1 = halo, hydroxy, cyano, trifluoromethyl, C1-4 substituted saturated or unsatd. alkyl, n = 0-4; X = halo, Me, trifluoromethyl; R2 = C1-8 alkyl containing at least one heteroatom and optionally unsatd.; R3 = aryl, carbocycle or heterocycle; R4 = R1 or a substituted aryl or heterocycle) and their use in treatment of diseases caused by deposits of β -amyloid, such as Alzheimer's disease. Thus, 7 compds. with IC50 10-170 μ M in in vitro β -secretase assays are disclosed.

IT 286832-83-5 562045-26-5

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(β -secretase inhibitors for use in treatment of diseases caused by deposits of β -amyloid peptides)

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2005:275334 USPATFULL

TITLE: Beta-secretase inhibitors

INVENTOR(S): Fecke, Wolfgang, Florence, ITALY
 Hammerle, Marcus, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Rester, Ulrich, Wuppertal, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005239899	A1	20051027
APPLICATION INFO.:	US 2003-502075	A1	20030120 (10)
	WO 2003-EP504		20030120
			20050418 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-1339	20020118
	EP 2003-2012566	20020605
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUTHERLAND ASBILL & BRENNAN LLP, 999 PEACHTREE STREET, N.E., ATLANTA, GA, 30309, US	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	431	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel beta-secretase inhibitors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 286832-83-5 562045-26-5

(β -secretase inhibitors for use in treatment of diseases caused by deposits of β -amyloid peptides)

'IALL' IS NOT A VALID FORMAT

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):all

L30 ANSWER 3 OF 4 CHEMCATS COPYRIGHT 2006 ACS on STN

Accession No. (AN): 2005:1488038 CHEMCATS

Catalog Name (CO): Interchim Intermediates

Publication Date (PD): 18 Jan 2005

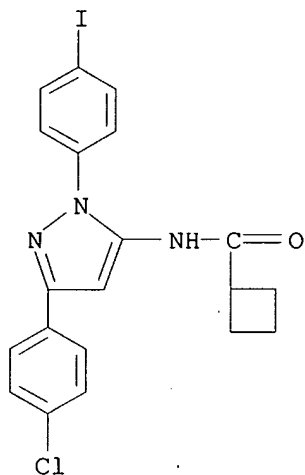
Order Number (ON): SP 01009

Chemical Name (CN): Cyclobutanecarboxamide, N-[3-(4-chlorophenyl)-1-(4-iodophenyl)-1H-pyrazol-5-yl]-

CAS Registry No. (RN): 562045-26-5

Supplementary Term (ST): CHEMICAL LIBRARY

Structure :



PRICES

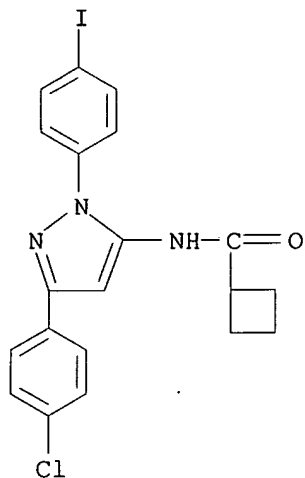
Quantity : milligram quantities, Price: contact supplier

COMPANY INFORMATION

Interchim
211 bis Av J.F. Kennedy
BP 1140
Montlucon, 03103
France

Phone: (33) (0) 4 70 03 88 55
Fax: (33) (0) 4 70 03 82 60
Email: interchim@interchim.com
Web: <http://www.interchim.com>

L30 ANSWER 4 OF 4 CHEMCATS COPYRIGHT 2006 ACS on STN
Accession No. (AN): 2000:578516 CHEMCATS
Catalog Name (CO): Maybridge HTS
Publication Date (PD): 7 Nov 2005
Order Number (ON): SP 01009
Chemical Name (CN): N-[3-(4-chlorophenyl)-1-(4-iodophenyl)-1H-pyrazol-5-yl]cyclobutanecarboxamide
CAS Registry No. (RN): 562045-26-5
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



PRICES

Quantity : milligram quantities, Price: contact supplier

COMPANY INFORMATION

Maybridge plc
Trevillet
Tintagel, Cornwall, PL34 0HW
United Kingdom

Phone: (44) 01840 770453
Fax: (44) 01840 770111
Email: enquiries@maybridge.com
Web: <http://www.maybridge.com>

=>

=> => fil reg; d que l47

FILE 'REGISTRY' ENTERED AT 15:39:19 ON 28 APR 2006

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STRUCTURE FILE UPDATES: 27 APR 2006 HIGHEST RN 882066-77-5

DICTIONARY FILE UPDATES: 27 APR 2006 HIGHEST RN 882066-77-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

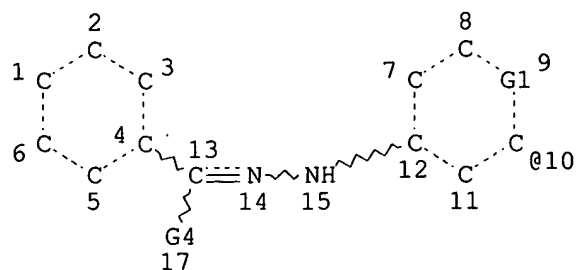
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

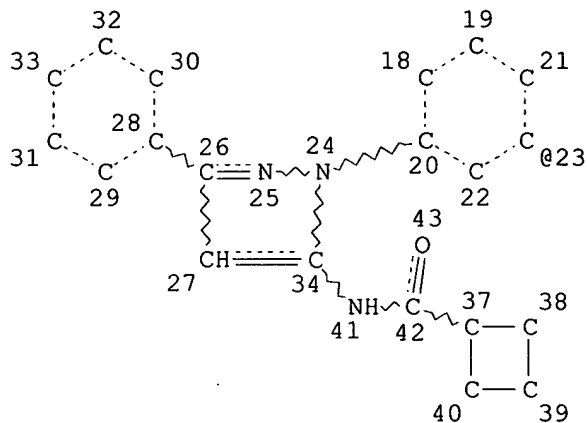
L12

STR



G10 36

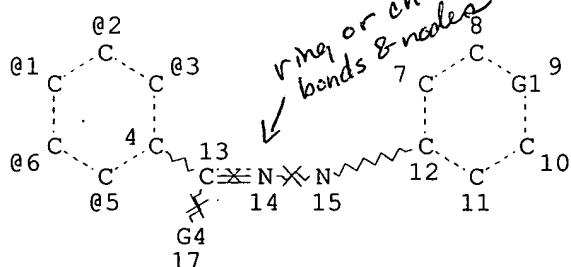
} either of these 2
structures searched



VAR G1=N/C
VAR G4=H/X/OH/C
VAR G10=10/23
NODE ATTRIBUTES:
NSPEC IS RC AT 13
NSPEC IS RC AT 14
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE
L16 STR



G2 @16 C @18

this structure "AND"-ed
with structures above

VAR G1=N/C
VAR G2=X/ME/CF3
VAR G4=H/X/OH/18
VPA 16-1/2/3/5/6 U

NODE ATTRIBUTES:

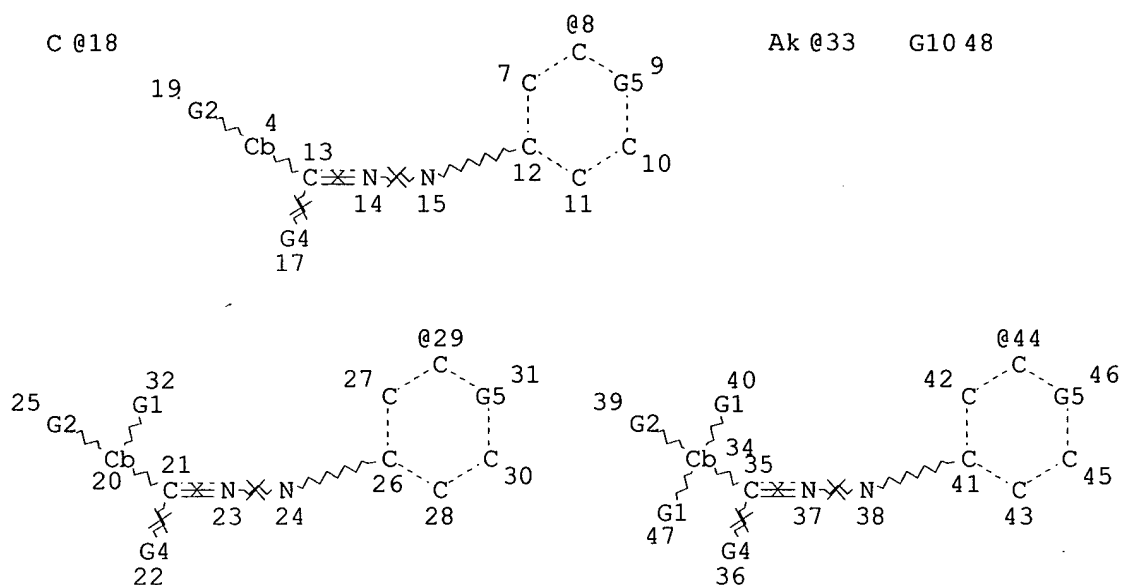
NSPEC IS RC AT 13
 NSPEC IS RC AT 14
 NSPEC IS RC AT 15
 NSPEC IS RC AT 18
 CONNECT IS X2 C AT 15
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
 NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L18 7460 SEA FILE=REGISTRY SSS FUL L12 AND L16
 L34 STR



VAR G1=X/OH/CN/CF3/NO2/33

VAR G2=X/ME/CF3

VAR G4=H/X/OH/18

VAR G5=N/C

VAR G10=8/29/44

NODE ATTRIBUTES:

NSPEC IS RC AT 13
 NSPEC IS RC AT 14
 NSPEC IS RC AT 15
 NSPEC IS RC AT 18
 NSPEC IS RC AT 21
 NSPEC IS RC AT 23
 NSPEC IS RC AT 24
 NSPEC IS RC AT 35
 NSPEC IS RC AT 37
 NSPEC IS RC AT 38
 CONNECT IS E2 RC AT 4
 CONNECT IS X2 C AT 15
 CONNECT IS E3 RC AT 20
 CONNECT IS X2 C AT 24
 CONNECT IS E1 RC AT 33

*limitation of definitions
for R1*

CONNECT IS E4 RC AT 34
 CONNECT IS X2 C AT 38
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

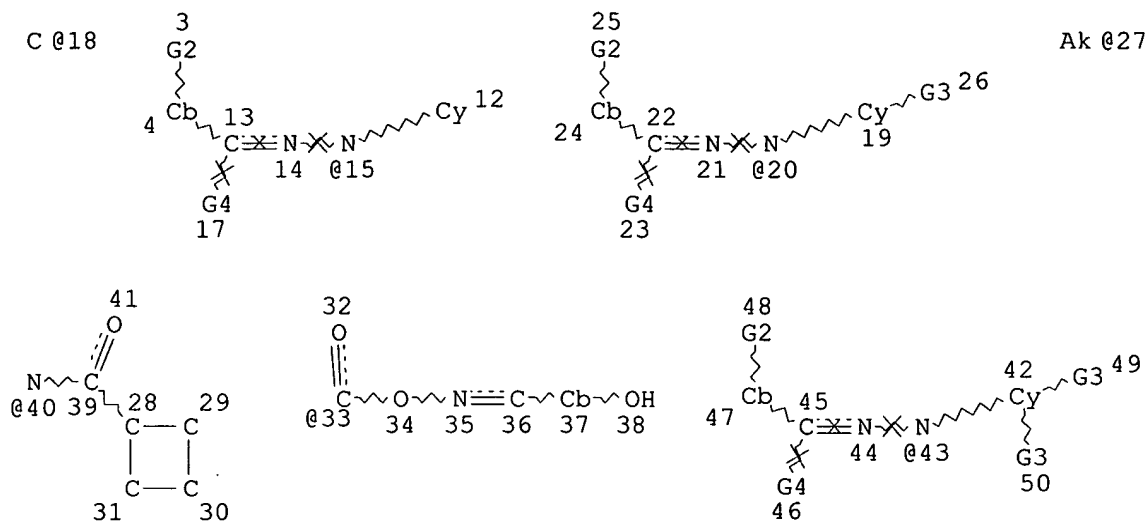
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RSPEC I

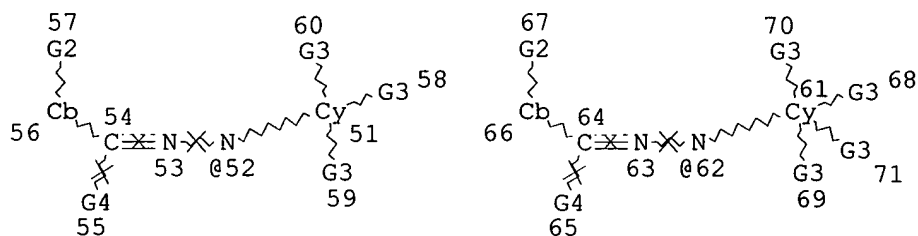
NUMBER OF NODES IS 42

STEREO ATTRIBUTES: NONE

L35 STR



Page 1-A



Page 2-A

VAR G2=X/ME/CF3

VAR G3=X/OH/CN/CF3/NO2/27/CY/40/33

VAR G4=H/X/OH/18

VAR G10=15/20/43/52/62

NODE ATTRIBUTES:

NSPEC	IS	RC	AT	13
NSPEC	IS	RC	AT	14
NSPEC	IS	RC	AT	15
NSPEC	IS	RC	AT	18
NSPEC	IS	RC	AT	20
NSPEC	IS	RC	AT	21
NSPEC	IS	RC	AT	22
NSPEC	IS	RC	AT	43

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NSPEC   IS RC      AT  44
NSPEC   IS RC      AT  45
NSPEC   IS RC      AT  52
NSPEC   IS RC      AT  53
NSPEC   IS RC      AT  54
NSPEC   IS RC      AT  62
NSPEC   IS RC      AT  63
NSPEC   IS RC      AT  64
CONNECT IS E1  RC AT  12
CONNECT IS X2   C AT  15
CONNECT IS E2  RC AT  19
CONNECT IS X2   C AT  20
CONNECT IS E1  RC AT  27
CONNECT IS E3  RC AT  42
CONNECT IS X2   C AT  43
CONNECT IS E4  RC AT  51
CONNECT IS X2   C AT  52
CONNECT IS E5  RC AT  61
CONNECT IS X2   C AT  62
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY LOC  UNS AT   4
GGCAT   IS MCY LOC  UNS AT  24
GGCAT   IS MCY LOC  UNS AT  37
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GGCAT   IS MCY LOC  UNS AT  66
DEFAULT ECLEVEL IS LIMITED

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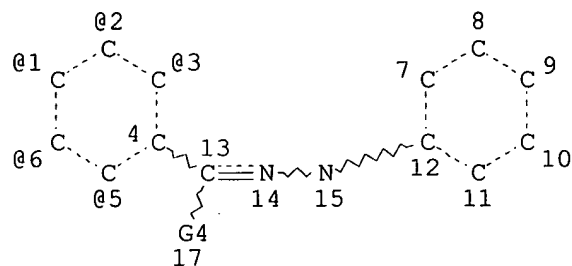
GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 62

STEREO ATTRIBUTES: NONE

L37 STR



G2 @16 Ak @18

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VAR G2=X/ME/CF3
VAR G4=X/OH/H/CN/CF3/18
VPA 16-1/2/3/5/6 U
NODE ATTRIBUTES:
NSPEC   IS RC      AT  13
NSPEC   IS RC      AT  14
NSPEC   IS RC      AT  15
CONNECT IS X2   C AT  15
CONNECT IS E1  RC AT  18
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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GRAPH ATTRIBUTES:

RSPEC I

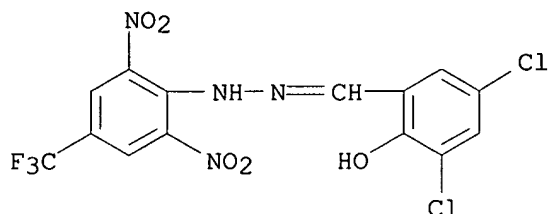
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L40 2424 SEA FILE=REGISTRY SUB=L18 SSS FUL (L34 AND L35 AND L37)
L44 3 SEA FILE=REGISTRY ABB=ON C14H7CL2F3N4O5/MF
L45 1890 SEA FILE=REGISTRY ABB=ON C14H12CL2N2O2/MF
L46 9 SEA FILE=REGISTRY ABB=ON (L44 OR L45) AND L40
L47 2 SEA FILE=REGISTRY ABB=ON L46 AND (PHENYLHYDRAZONE OR TRIFLUORO
METHYL)

=> d ide 147 1-2

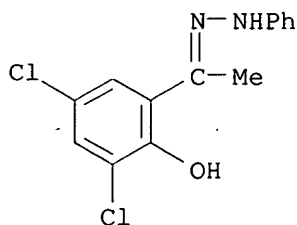
L47 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 562045-36-7 REGISTRY
ED Entered STN: 07 Aug 2003
CN Benzaldehyde, 3,5-dichloro-2-hydroxy-, [2,6-dinitro-4-(trifluoromethyl)phenyl]hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H7 Cl2 F3 N4 O5
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL

*structures
of claim 2*

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L47 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 284489-48-1 REGISTRY
ED Entered STN: 09 Aug 2000
CN Ethanone, 1-(3,5-dichloro-2-hydroxyphenyl)-, phenylhydrazone (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C14 H12 Cl2 N2 O
SR CAS Client Services
LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil capl uspatf toxcenter casre chemcats; s l47
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L48 9 L47

=> dup rem l48
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ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L48
L49 7 DUP REM L48 (2 DUPLICATES REMOVED)
ANSWERS '1-2' FROM FILE CAPLUS
ANSWER '3' FROM FILE USPATFULL
ANSWERS '4-7' FROM FILE CHEMCATS

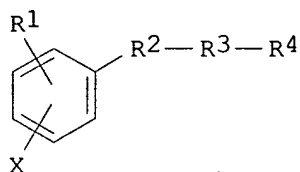
=> d ibib ed abs hitrn 1-3; d all 4-7

L49 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2003:570813 CAPLUS
DOCUMENT NUMBER: 139:113668
TITLE: β -secretase inhibitors for use in treatment of
diseases caused by deposits of β -amyloid peptides
INVENTOR(S): Dietrich, Axel; Nimz, Olaf; Rester, Ulrich; Fecke,
Wolfgang; Haemmerle, Marcus; Baier, Friedrich
PATENT ASSIGNEE(S): The Genetics Company Inc., Switz.
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003059346 A1 20030724 WO 2003-EP504 20030120
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 US 2005239899 A1 20051027 US 2005-502075 20050418
 PRIORITY APPLN. INFO.: EP 2002-1339 A 20020118
 EP 2002-12566 A 20020605
 WO 2003-EP504 W 20030120

OTHER SOURCE(S): MARPAT 139:113668
 ED Entered STN: 25 Jul 2003
 GI



AB The invention relates to novel substituted halophenyl inhibitors of β -secretase (II, R1 = halo, hydroxy, cyano, trifluoromethyl, C1-4 substituted saturated or unsatd. alkyl, n = 0-4; X = halo, Me, trifluoromethyl; R2 = C1-8 alkyl containing at least one heteroatom and optionally unsatd.; R3 = aryl, carbocycle or heterocycle; R4 = R1 or a substituted aryl or heterocycle) and their use in treatment of diseases caused by deposits of β -amyloid, such as Alzheimer's disease. Thus, 7 compds. with IC50 10-170 μ M in in vitro β -secretase assays are disclosed.

IT **284489-48-1 562045-36-7**

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (β -secretase inhibitors for use in treatment of diseases caused by deposits of β -amyloid peptides)

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L49 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2003:746764 CAPLUS

DOCUMENT NUMBER: 139:395876

TITLE: Synthesis of 4-alkoxy-4-methyl- and 4-alkoxy-4-fluoromethyl-1,3-benzoxazinones

AUTHOR(S): Alkhathlan, Hamad Z.

CORPORATE SOURCE: Department of Chemistry, King Saud University, Riyadh, 11451, Saudi Arabia

SOURCE: Tetrahedron (2003), 59(41), 8163-8170
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:395876
ED Entered STN: 23 Sep 2003
AB Cyclization of 2-hydroxyacetophenone hydrazones with triphosgene resulted in the formation of 4-methylene-1,3-benzoxazinones. These compds. were converted to 4-alkoxy-4-methyl-1,3-benzoxazinones and 4-fluoromethyl-4-methoxy-1,3-benzoxazinones upon treatment with alcs. under refluxing conditions and 1-chloromethyl-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane bis(tetrafluoroborate) in acetonitrile and methanol, resp.
IT **284489-48-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (alkoxy)(methyl)benzoxazinones and (alkoxy)(fluoromethyl)benzoxazinones)
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L49 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2005:275334 USPATFULL
TITLE: Beta-secretase inhibitors
INVENTOR(S): Fecke, Wolfgang, Florence, ITALY
Hammerle, Marcus, Berlin, GERMANY, FEDERAL REPUBLIC OF
Rester, Ulrich, Wuppertal, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005239899	A1	20051027
APPLICATION INFO.:	US 2003-502075	A1	20030120 (10)
	WO 2003-EP504		20030120
			20050418 PCT 371 date

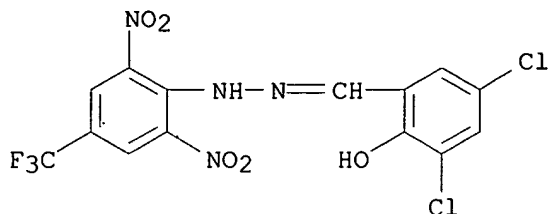
	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-1339	20020118
	EP 2003-2012566	20020605
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUTHERLAND ASBILL & BRENNAN LLP, 999 PEACHTREE STREET, N.E., ATLANTA, GA, 30309, US	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	431	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The invention relates to novel beta-secretase inhibitors.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **284489-48-1 562045-36-7**
(β -secretase inhibitors for use in treatment of diseases caused by deposits of β -amyloid peptides)

L49 ANSWER 4 OF 7 CHEMCATS COPYRIGHT 2006 ACS on STN
Accession No. (AN): 2005:1488040 CHEMCATS
Catalog Name (CO): Interchim Intermediates

Publication Date (PD): 18 Jan 2005
Order Number (ON): CD 03421
Chemical Name (CN): Benzaldehyde, 3,5-dichloro-2-hydroxy-,
[2,6-dinitro-4-(trifluoromethyl)phenyl]hydrazone
CAS Registry No. (RN): 562045-36-7
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



PRICES

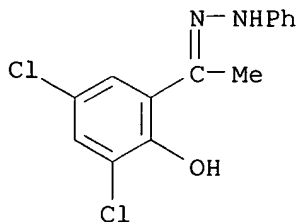
Quantity : milligram quantities, Price: contact supplier

COMPANY INFORMATION

Interchim
211 bis Av J.F. Kennedy
BP 1140
Montlucon, 03103
France

Phone: (33) (0) 4 70 03 88 55
Fax: (33) (0) 4 70 03 82 60
Email: interchim@interchim.com
Web: <http://www.interchim.com>

L49 ANSWER 5 OF 7 CHEMCATS COPYRIGHT 2006 ACS on STN
Accession No. (AN): 2005:1415516 CHEMCATS
Catalog Name (CO): Interchim Intermediates
Publication Date (PD): 18 Jan 2005
Order Number (ON): RDR 02549
Chemical Name (CN): Ethanone, 1-(3,5-dichloro-2-hydroxyphenyl)-,
phenylhydrazone
CAS Registry No. (RN): 284489-48-1
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



PRICES

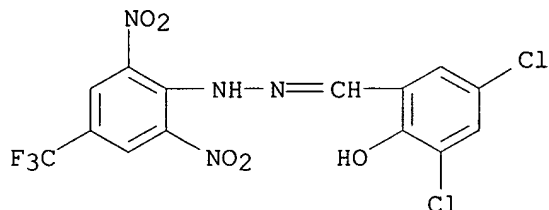
Quantity : milligram quantities, Price: contact supplier

COMPANY INFORMATION

Interchim
211 bis Av J.F. Kennedy
BP 1140
Montlucon, 03103
France

Phone: (33) (0) 4 70 03 88 55
Fax: (33) (0) 4 70 03 82 60
Email: interchim@interchim.com
Web: <http://www.interchim.com>

L49 ANSWER 6 OF 7 CHEMCATS COPYRIGHT 2006 ACS on STN
Accession No. (AN): 2001:1541895 CHEMCATS
Catalog Name (CO): Maybridge HTS
Publication Date (PD): 7 Nov 2005
Order Number (ON): CD 03421
Chemical Name (CN): 3,5-dichloro-2-hydroxybenzaldehyde
N-[2,6-dinitro-4-(trifluoromethyl)phenyl]hydrazone
CAS Registry No. (RN): **562045-36-7**
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



PRICES

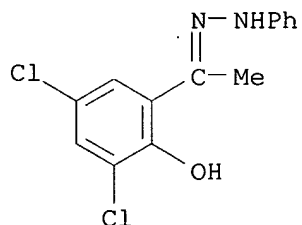
Quantity : milligram quantities, Price: contact supplier

COMPANY INFORMATION

Maybridge plc
Trevillet
Tintagel, Cornwall, PL34 0HW
United Kingdom

Phone: (44) 01840 770453
Fax: (44) 01840 770111
Email: enquiries@maybridge.com
Web: <http://www.maybridge.com>

L49 ANSWER 7 OF 7 CHEMCATS COPYRIGHT 2006 ACS on STN
Accession No. (AN): 1998:615488 CHEMCATS
Catalog Name (CO): Maybridge HTS
Publication Date (PD): 7 Nov 2005
Order Number (ON): RDR 02549
Chemical Name (CN): 1-(3,5-dichloro-2-hydroxyphenyl)ethan-1-one
1-phenylhydrazone
CAS Registry No. (RN): **284489-48-1**
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



PRICES

Quantity : milligram quantities, Price: contact supplier

COMPANY INFORMATION

Maybridge plc
Trevillet
Tintagel, Cornwall, PL34 0HW
United Kingdom

Phone: (44) 01840 770453
Fax: (44) 01840 770111
Email: enquiries@maybridge.com
Web: <http://www.maybridge.com>

=> =>

=>
=> => fil reg; d stat que 150; fil capl; d que nos 156; d que nos 158
FILE 'REGISTRY' ENTERED AT 15:55:24 ON 28 APR 2006
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STRUCTURE FILE UPDATES: 27 APR 2006 HIGHEST RN 882066-77-5
DICTIONARY FILE UPDATES: 27 APR 2006 HIGHEST RN 882066-77-5

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

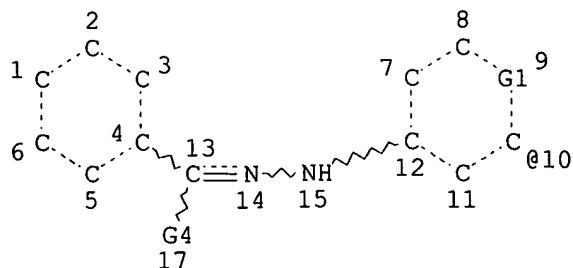
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

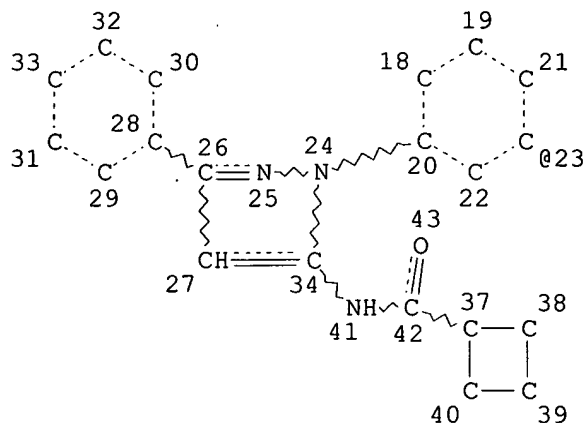
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.~ For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

L12 STR



G10 36

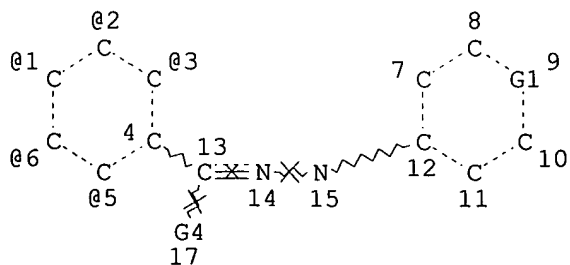


*same set of broader
structure searches
as for claim 2*

VAR G1=N/C
VAR G4=H/X/OH/C
VAR G10=10/23
NODE ATTRIBUTES:
NSPEC IS RC AT 13
NSPEC IS RC AT 14
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE
L16 STR



G2 @16 C @18

VAR G1=N/C
VAR G2=X/ME/CF3
VAR G4=H/X/OH/18
VPA 16-1/2/3/5/6 U

NODE ATTRIBUTES:

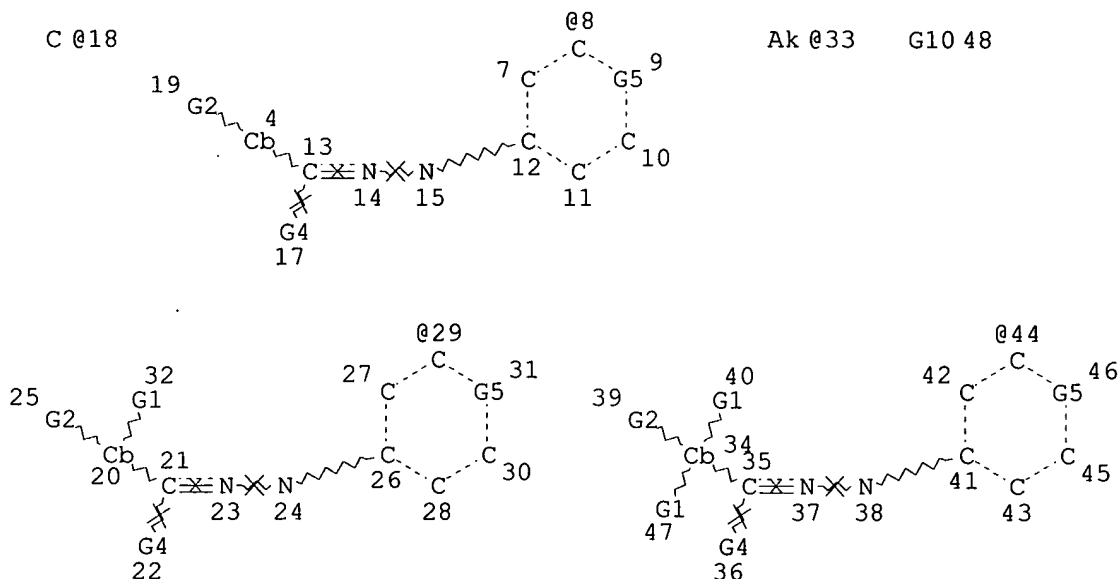
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 NSPEC IS RC AT 14
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 CONNECT IS X2 C AT 15
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
 NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L18 7460 SEA FILE=REGISTRY SSS FUL L12 AND L16
 L21 68093 SEA FILE=REGISTRY ABB=ON 4.209.1/RID
 L22 1 SEA FILE=REGISTRY ABB=ON L21 AND L18
 L27 1 SEA FILE=REGISTRY ABB=ON "BENZALDEHYDE, 3,5-DICHLORO-2-HYDROXY
 -, (3,5-DICHLORO-4-PYRIDINYL)HYDRAZONE"/CN
 L28 2 SEA FILE=REGISTRY ABB=ON L27 OR L22
 L34 STR



VAR G1=X/OH/CN/CF3/NO2/33
 VAR G2=X/ME/CF3
 VAR G4=H/X/OH/18
 VAR G5=N/C
 VAR G10=8/29/44

NODE ATTRIBUTES:

NSPEC IS RC AT 13
 NSPEC IS RC AT 14
 NSPEC IS RC AT 15
 NSPEC IS RC AT 18
 NSPEC IS RC AT 21
 NSPEC IS RC AT 23
 NSPEC IS RC AT 24
 NSPEC IS RC AT 35
 NSPEC IS RC AT 37
 NSPEC IS RC AT 38

CONNECT IS E2 RC AT 4
 CONNECT IS X2 C AT 15
 CONNECT IS E3 RC AT 20
 CONNECT IS X2 C AT 24
 CONNECT IS E1 RC AT 33
 CONNECT IS E4 RC AT 34
 CONNECT IS X2 C AT 38
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

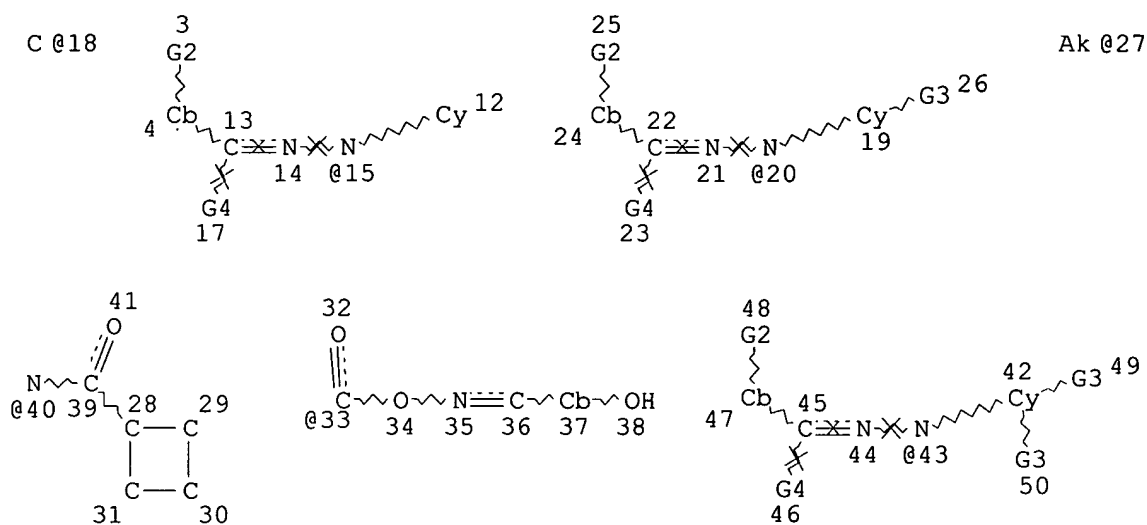
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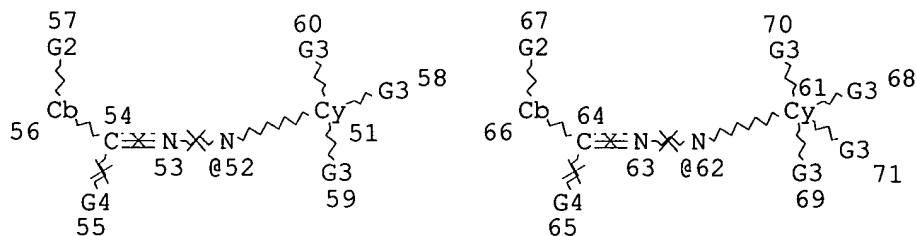
NUMBER OF NODES IS 42

STEREO ATTRIBUTES: NONE

L35 STR



Page 1-A



Page 2-A

VAR G2=X/ME/CF3

VAR G3=X/OH/CN/CF3/NO2/27/CY/40/33

VAR G4=H/X/OH/18

VAR G10=15/20/43/52/62

NODE ATTRIBUTES:

NSPEC IS RC AT 13

NSPEC IS RC AT 14

NSPEC IS RC AT 15

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NSPEC   IS RC      AT  18
NSPEC   IS RC      AT  20
NSPEC   IS RC      AT  21
NSPEC   IS RC      AT  22
NSPEC   IS RC      AT  43
NSPEC   IS RC      AT  44
NSPEC   IS RC      AT  45
NSPEC   IS RC      AT  52
NSPEC   IS RC      AT  53
NSPEC   IS RC      AT  54
NSPEC   IS RC      AT  62
NSPEC   IS RC      AT  63
NSPEC   IS RC      AT  64
CONNECT IS E1  RC AT  12
CONNECT IS X2   C AT  15
CONNECT IS E2  RC AT  19
CONNECT IS X2   C AT  20
CONNECT IS E1  RC AT  27
CONNECT IS E3  RC AT  42
CONNECT IS X2   C AT  43
CONNECT IS E4  RC AT  51
CONNECT IS X2   C AT  52
CONNECT IS E5  RC AT  61
CONNECT IS X2   C AT  62
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY  LOC  UNS  AT   4
GGCAT   IS MCY  LOC  UNS  AT  24
GGCAT   IS MCY  LOC  UNS  AT  37
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DEFAULT ECLEVEL IS LIMITED

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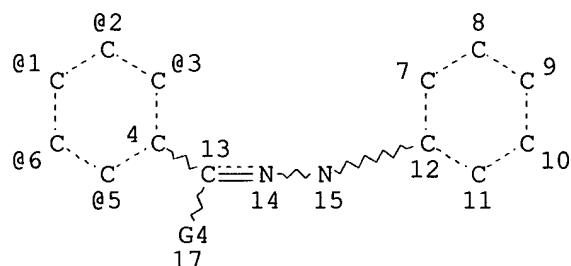
GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 62

STEREO ATTRIBUTES: NONE

L37 STR



G2 @16 Ak @18

VAR G2=X/ME/CF3

VAR G4=X/OH/H/CN/CF3/18

VPA 16-1/2/3/5/6 U

NODE ATTRIBUTES:

```

NSPEC   IS RC      AT  13
NSPEC   IS RC      AT  14
NSPEC   IS RC      AT  15
CONNECT IS X2   C AT  15
CONNECT IS E1  RC AT  18

```


DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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L44 3 SEA FILE=REGISTRY ABB=ON C14H7CL2F3N4O5/MF
L45 1890 SEA FILE=REGISTRY ABB=ON C14H12CL2N2O?/MF
L46 9 SEA FILE=REGISTRY ABB=ON (L44 OR L45) AND L40
L47 2 SEA FILE=REGISTRY ABB=ON L46 AND (PHENYLHYDRAZONE OR TRIFLUORO
METHYL)
L50 2422 SEA FILE=REGISTRY ABB=ON L40 NOT (L47 OR L28)

structures of claims 2 & 12

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'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L12 STR
L16 STR
L18 7460 SEA FILE=REGISTRY SSS FUL L12 AND L16
L21 68093 SEA FILE=REGISTRY ABB=ON 4.209.1/RID
L22 1 SEA FILE=REGISTRY ABB=ON L21 AND L18
L27 1 SEA FILE=REGISTRY ABB=ON "BENZALDEHYDE, 3,5-DICHLORO-2-HYDROXY
-, (3,5-DICHLORO-4-PYRIDINYL)HYDRAZONE"/CN
L28 2 SEA FILE=REGISTRY ABB=ON L27 OR L22
L34 STR
L35 STR
L37 STR
L40 2424 SEA FILE=REGISTRY SUB=L18 SSS FUL (L34 AND L35 AND L37)
L43 1 SEA FILE=REGISTRY ABB=ON B-SECRETASE/CN
L44 3 SEA FILE=REGISTRY ABB=ON C14H7CL2F3N4O5/MF
L45 1890 SEA FILE=REGISTRY ABB=ON C14H12CL2N2O?/MF
L46 9 SEA FILE=REGISTRY ABB=ON (L44 OR L45) AND L40

L47 2 SEA FILE=REGISTRY ABB=ON L46 AND (PHENYLHYDRAZONE OR TRIFLUORO
METHYL)
L50 2422 SEA FILE=REGISTRY ABB=ON L40 NOT (L47 OR L28)
L51 1101 SEA FILE=CAPLUS ABB=ON L50 - *claim 1 structures crossed into*
L52 1083 SEA FILE=CAPLUS ABB=ON L43 *CAPLUS - too many*
L53 32103 SEA FILE=CAPLUS ABB=ON ALZHEIMER?/OBI *answers. Narrowed*
L54 21210 SEA FILE=CAPLUS ABB=ON AMYLOID?/OBI *with text*
L55 26806 SEA FILE=CAPLUS ABB=ON DOWN#/OBI *terms*
L56 3 SEA FILE=CAPLUS ABB=ON L51 AND (L52 OR L53 OR L54 OR L55)

L12 STR
L16 STR
L18 7460 SEA FILE=REGISTRY SSS FUL L12 AND L16
L21 68093 SEA FILE=REGISTRY ABB=ON 4.209.1/RID
L22 1 SEA FILE=REGISTRY ABB=ON L21 AND L18
L27 1 SEA FILE=REGISTRY ABB=ON "BENZALDEHYDE, 3,5-DICHLORO-2-HYDROXY
-, (3,5-DICHLORO-4-PYRIDINYL)HYDRAZONE"/CN
L28 2 SEA FILE=REGISTRY ABB=ON L27 OR L22
L34 STR
L35 STR
L37 STR
L40 2424 SEA FILE=REGISTRY SUB=L18 SSS FUL (L34 AND L35 AND L37)
L44 3 SEA FILE=REGISTRY ABB=ON C14H7CL2F3N4O5/MF
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L46 9 SEA FILE=REGISTRY ABB=ON (L44 OR L45) AND L40
L47 2 SEA FILE=REGISTRY ABB=ON L46 AND (PHENYLHYDRAZONE OR TRIFLUORO
METHYL)
L50 2422 SEA FILE=REGISTRY ABB=ON L40 NOT (L47 OR L28)
L51 1101 SEA FILE=CAPLUS ABB=ON L50
L58 33 SEA FILE=CAPLUS ABB=ON L51(L) (THU OR BAC OR PAC OR PKT OR
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=> s 156 or 158
L63 33 L56 OR L58

=> d ibib ed abs hitstr l63 1-33; fil hom

L63 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:269035 CAPLUS

DOCUMENT NUMBER: 144:311916

TITLE: Preparation of (hetero)aromatic hydrazones as
β-secretase inhibitors

INVENTOR(S): Schindelholz, Benno; Schmid, Gerard; Brigo,
Alessandro; Milas, Dragana; Garcia, Gabriel

PATENT ASSIGNEE(S): The Genetics Company, Inc., Switz.

SOURCE: PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006029850	A1	20060323	WO 2005-EP9902	20050914
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

*Roles THU = therapeutic use
BAC = Biological activity
PAC = pharmacologic activity
PKT = pharmacokinetics
DMA = drug mechanism
of action
(claim 1 compounds
for any
therapeutic
use)*

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
 NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
 SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
 ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

EP 2004-21840

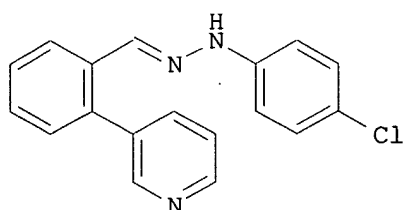
A 20040914

EP 2004-22088

A 20040916

ED Entered STN: 23 Mar 2006

GI



I

AB Z1R3C:NNHZ2 [R3 = H, Me, and hydroxyalkyl; Z1, Z2 = (substituted) Ph, naphthyl, pyridyl, pyrazolyl, pyrimidyl, pyrazidinyl, quinolinyl, isoquinolinyl, coumarinyl, indolyl, thiazolyl, thienyl], were prepared. Several title compds. including (I) (general preparation given) inhibited β -secretase with $IC_{50} < 50 \mu M$.

IT 158736-49-3, β -Secretase

RL: BSU (Biological study, unclassified); BIOL (Biological study) (inhibitors; preparation of (hetero)aromatic hydrazones as β -secretase inhibitors)

RN 158736-49-3 CAPLUS

CN β -Secretase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 97783-06-7P 329934-26-1P 625825-15-2P
 879404-03-2P 879404-23-6P 879404-24-7P
 879404-25-8P 879404-26-9P 879404-27-0P
 879404-32-7P 879404-33-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation);

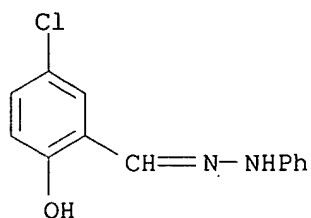
THU (Therapeutic use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(preparation of (hetero)aromatic hydrazones as β -secretase inhibitors)

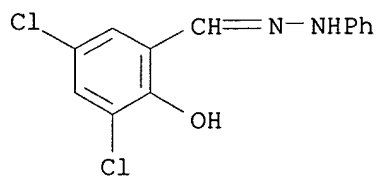
RN 97783-06-7 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, phenylhydrazone (9CI) (CA INDEX NAME)



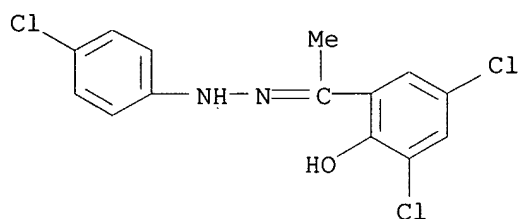
RN 329934-26-1 CAPLUS

CN Benzaldehyde, 3,5-dichloro-2-hydroxy-, phenylhydrazone (9CI) (CA INDEX NAME)



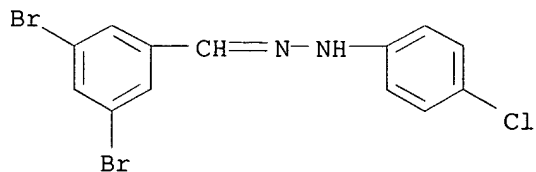
RN 625825-15-2 CAPLUS

CN Ethanone, 1-(3,5-dichloro-2-hydroxyphenyl)-, (4-chlorophenyl)hydrazone (9CI) (CA INDEX NAME)



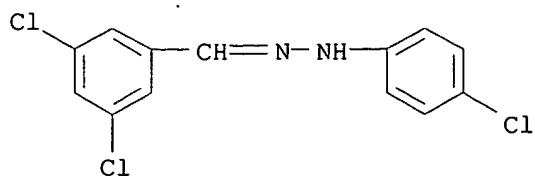
RN 879404-03-2 CAPLUS

CN Benzaldehyde, 3,5-dibromo-, (4-chlorophenyl)hydrazone (9CI) (CA INDEX NAME)



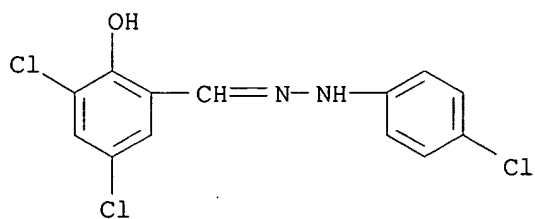
RN 879404-23-6 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, (4-chlorophenyl)hydrazone (9CI) (CA INDEX NAME)



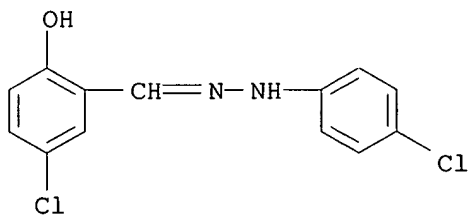
RN 879404-24-7 CAPLUS

CN Benzaldehyde, 3,5-dichloro-2-hydroxy-, (4-chlorophenyl)hydrazone (9CI)
(CA INDEX NAME)



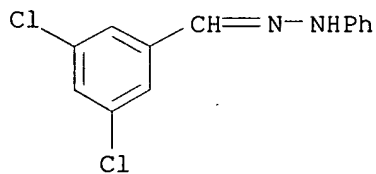
RN 879404-25-8 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, (4-chlorophenyl)hydrazone (9CI) (CA
INDEX NAME)



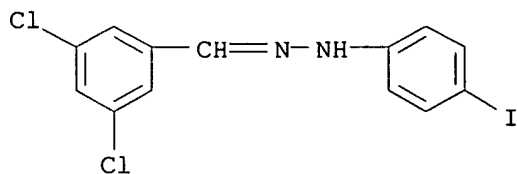
RN 879404-26-9 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, phenylhydrazone (9CI) (CA INDEX NAME)



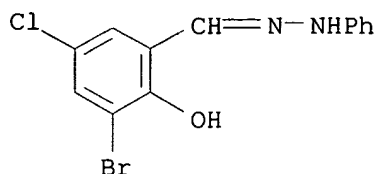
RN 879404-27-0 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, (4-iodophenyl)hydrazone (9CI) (CA INDEX
NAME)



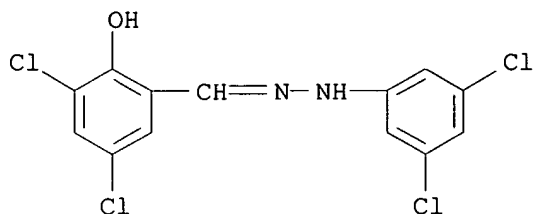
RN 879404-32-7 CAPLUS

CN Benzaldehyde, 3-bromo-5-chloro-2-hydroxy-, phenylhydrazone (9CI) (CA INDEX NAME)



RN 879404-33-8 CAPLUS

CN Benzaldehyde, 3,5-dichloro-2-hydroxy-, (3,5-dichlorophenyl)hydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:106896 CAPLUS

DOCUMENT NUMBER: 142:354987

TITLE: Bisaryloxime Ethers as Potent Inhibitors of Transthyretin **Amyloid** Fibril Formation

AUTHOR(S): Johnson, Steven M.; Petrassi, H. Michael; Palaninathan, Satheesh K.; Mohamedmohaideen, Nilofar N.; Purkey, Hans E.; Nichols, Christopher; Chiang, Kyle P.; Walkup, Traci; Sacchettini, James C.; Sharpless, K. Barry; Kelly, Jeffery W.

CORPORATE SOURCE: Department of Chemistry and the Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA

SOURCE: Journal of Medicinal Chemistry (2005), 48(5), 1576-1587

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:354987

ED Entered STN: 08 Feb 2005

AB Amyloid fibril formation by the plasma protein transthyretin (TTR), requiring rate-limiting tetramer dissociation and monomer misfolding, is implicated in several human diseases. Amyloidogenesis can be inhibited through native state stabilization, mediated by small mol. binding to TTR's primarily unoccupied thyroid hormone binding sites. New native state stabilizers have been discovered herein by the facile condensation of arylaldehydes R1CHO (R1 = Ph, 3-HO2CC6H4, 2-F3CC6H4, 3,5-Cl2C6H3, etc.) with aryloxyamines R2ONH2 (R2 = Ph, 3-F3CC6H4, 3,5-F2C6H4, etc.) affording a bisarylaldoxime ether R1CH:NOR2 library. Of the library's 95 compds., 31 were active inhibitors of TTR amyloid formation in vitro. The bisaryloxime ethers selectively stabilize the native tetrameric state of TTR over the dissociative transition state under amyloidogenic conditions, leading to an increase in the dissociation activation barrier. Several bisaryloxime ethers bind selectively to TTR in human blood plasma over the plethora of other plasma proteins, a necessary attribute for efficacy in vivo. While bisarylaldoxime ethers are susceptible to degradation by N-O bond cleavage, this process is slowed by their binding to TTR. Furthermore, the degradation rate of many of the bisarylaldoxime ethers is slow relative to the half-life of plasma TTR. The bisaryloxime ether library provides valuable structure-activity relationship insight for the development of structurally analogous inhibitors with superior stability profiles, should that prove necessary.

IT 849049-61-2P 849049-62-3P 849049-63-4P
 849049-64-5P 849049-65-6P 849049-66-7P
 849049-67-8P 849049-68-9P 849050-12-0P
 849050-13-1P 849050-14-2P 849050-15-3P
 849050-16-4P 849050-17-5P 849050-18-6P
 849050-19-7P 849050-24-4P 849050-25-5P
 849050-26-6P 849050-27-7P 849050-28-8P
 849050-29-9P 849050-30-2P 849050-31-3P
 849050-36-8P 849050-37-9P 849050-38-0P
 849050-39-1P 849050-40-4P 849050-41-5P
 849050-42-6P 849050-43-7P 849050-48-2P
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 849050-52-8P 849050-53-9P 849050-54-0P
 849050-55-1P

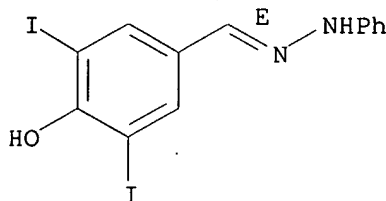
RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation)

(preparation of libraries of O-aryl ethers of arylaldoximes and diaryl hydrazones as inhibitors of transthyretin amyloid fibril formation)

RN 849049-61-2 CAPLUS

CN Benzaldehyde, 4-hydroxy-3,5-diiodo-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

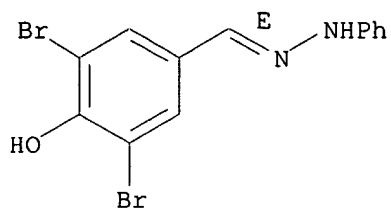


RN 849049-62-3 CAPLUS

CN Benzaldehyde, 3,5-dibromo-4-hydroxy-, phenylhydrazone, [C(E)]- (9CI) (CA

INDEX NAME)

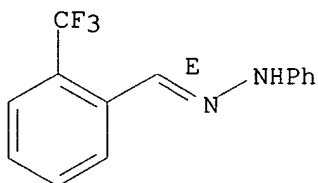
Double bond geometry as shown.



RN 849049-63-4 CAPLUS

CN Benzaldehyde, 2-(trifluoromethyl)-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

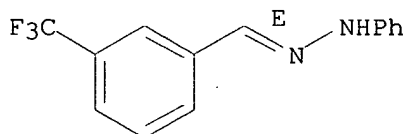
Double bond geometry as shown.



RN 849049-64-5 CAPLUS

CN Benzaldehyde, 3-(trifluoromethyl)-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

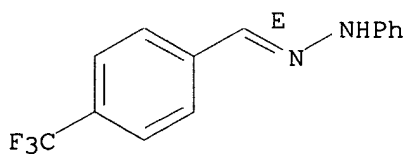
Double bond geometry as shown.



RN 849049-65-6 CAPLUS

CN Benzaldehyde, 4-(trifluoromethyl)-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

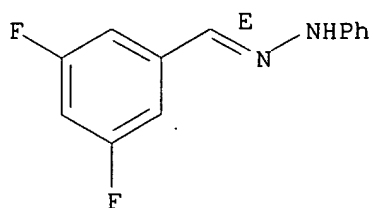
Double bond geometry as shown.



RN 849049-66-7 CAPLUS

CN Benzaldehyde, 3,5-difluoro-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

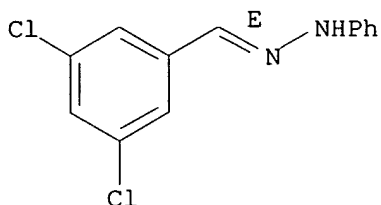
Double bond geometry as shown.



RN 849049-67-8 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

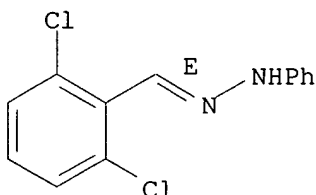
Double bond geometry as shown.



RN 849049-68-9 CAPLUS

CN Benzaldehyde, 2,6-dichloro-, phenylhydrazone, [C(E)]- (9CI) (CA INDEX NAME)

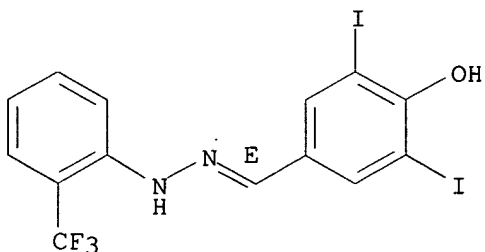
Double bond geometry as shown.



RN 849050-12-0 CAPLUS

CN Benzaldehyde, 4-hydroxy-3,5-diiodo-, [2-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

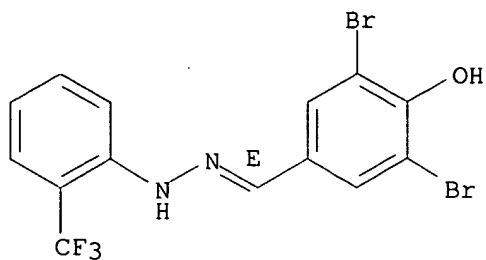
Double bond geometry as shown.



RN 849050-13-1 CAPLUS

CN Benzaldehyde, 3,5-dibromo-4-hydroxy-, [2-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

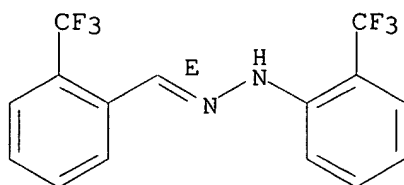
Double bond geometry as shown.



RN 849050-14-2 CAPLUS

CN Benzaldehyde, 2-(trifluoromethyl)-, [2-(trifluoromethyl)phenyl]hydrazone,
[C(E)]- (9CI) (CA INDEX NAME)

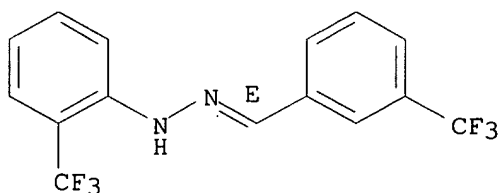
Double bond geometry as shown.



RN 849050-15-3 CAPLUS

CN Benzaldehyde, 3-(trifluoromethyl)-, [2-(trifluoromethyl)phenyl]hydrazone,
[C(E)]- (9CI) (CA INDEX NAME)

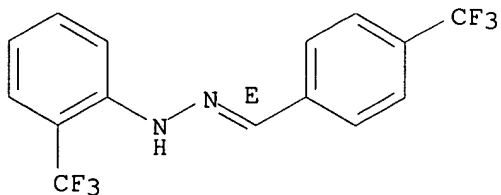
Double bond geometry as shown.



RN 849050-16-4 CAPLUS

CN Benzaldehyde, 4-(trifluoromethyl)-, [2-(trifluoromethyl)phenyl]hydrazone,
[C(E)]- (9CI) (CA INDEX NAME)

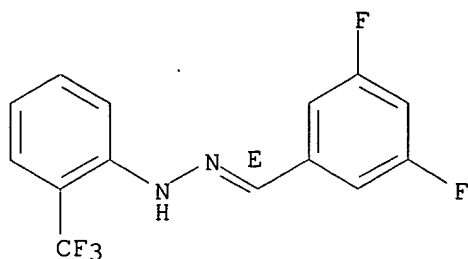
Double bond geometry as shown.



RN 849050-17-5 CAPLUS

CN Benzaldehyde, 3,5-difluoro-, [2-(trifluoromethyl)phenyl]hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

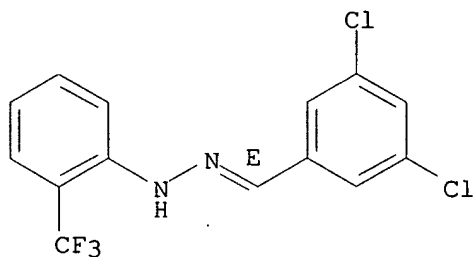
Double bond geometry as shown.



RN 849050-18-6 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, [2-(trifluoromethyl)phenyl]hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

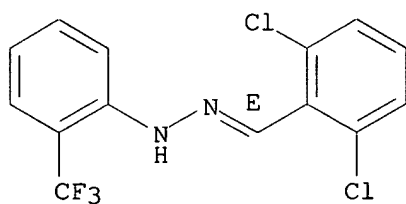
Double bond geometry as shown.



RN 849050-19-7 CAPLUS

CN Benzaldehyde, 2,6-dichloro-, [2-(trifluoromethyl)phenyl]hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

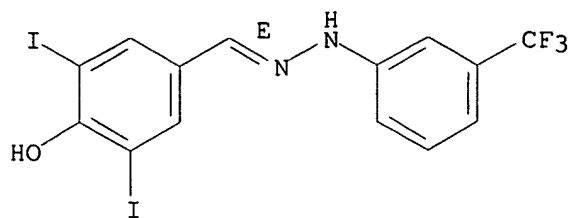
Double bond geometry as shown.



RN 849050-24-4 CAPLUS

CN Benzaldehyde, 4-hydroxy-3,5-diiodo-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

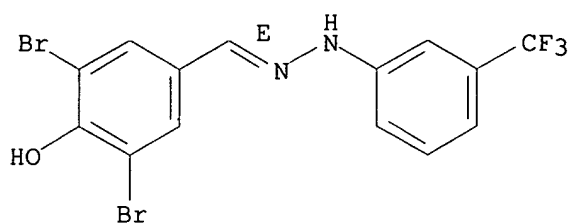
Double bond geometry as shown.



RN 849050-25-5 CAPLUS

CN Benzaldehyde, 3,5-dibromo-4-hydroxy-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

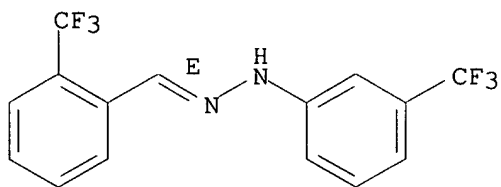
Double bond geometry as shown.



RN 849050-26-6 CAPLUS

CN Benzaldehyde, 2-(trifluoromethyl)-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

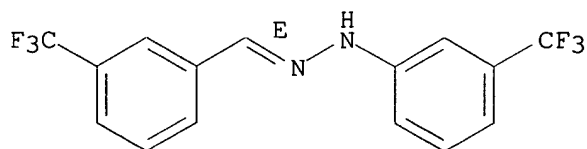
Double bond geometry as shown.



RN 849050-27-7 CAPLUS

CN Benzaldehyde, 3-(trifluoromethyl)-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

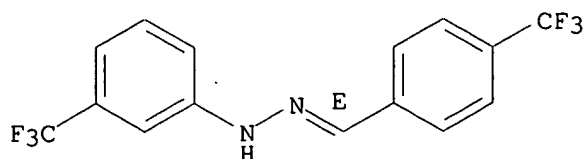
Double bond geometry as shown.



RN 849050-28-8 CAPLUS

CN Benzaldehyde, 4-(trifluoromethyl)-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

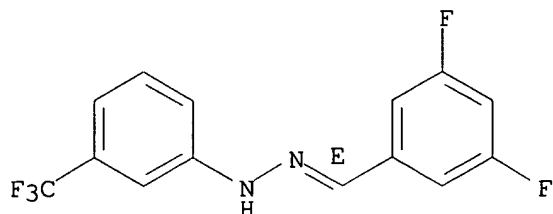
Double bond geometry as shown.



RN 849050-29-9 CAPLUS

CN Benzaldehyde, 3,5-difluoro-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

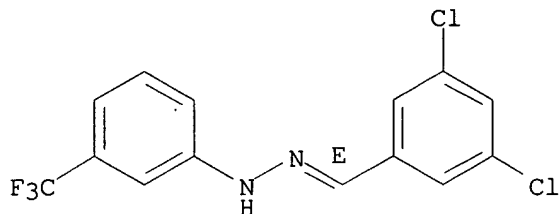
Double bond geometry as shown.



RN 849050-30-2 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

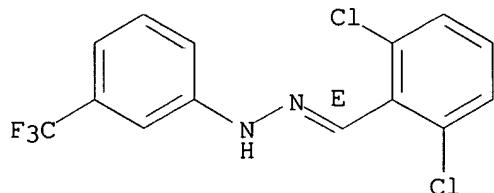
Double bond geometry as shown.



RN 849050-31-3 CAPLUS

CN Benzaldehyde, 2,6-dichloro-, [3-(trifluoromethyl)phenyl]hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

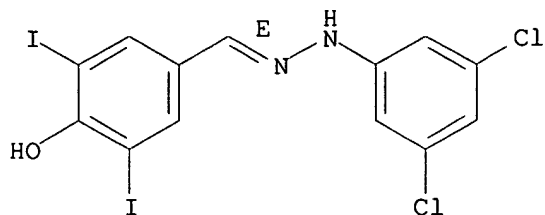
Double bond geometry as shown.



RN 849050-36-8 CAPLUS

CN Benzaldehyde, 4-hydroxy-3,5-diiodo-, (3,5-dichlorophenyl)hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

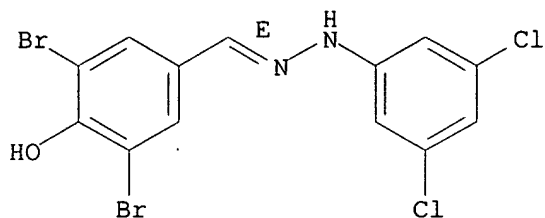
Double bond geometry as shown.



RN 849050-37-9 CAPLUS

CN Benzaldehyde, 3,5-dibromo-4-hydroxy-, (3,5-dichlorophenyl)hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

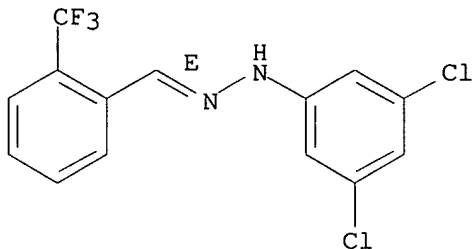
Double bond geometry as shown.



RN 849050-38-0 CAPLUS

CN Benzaldehyde, 2-(trifluoromethyl)-, (3,5-dichlorophenyl)hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

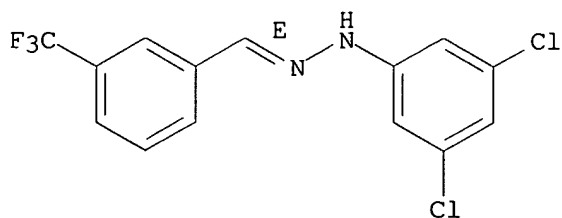
Double bond geometry as shown.



RN 849050-39-1 CAPLUS

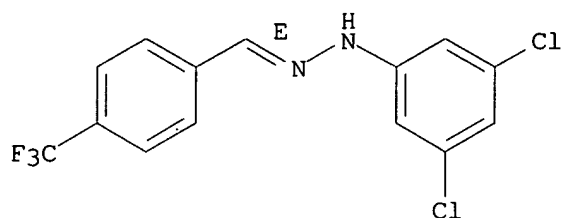
CN Benzaldehyde, 3-(trifluoromethyl)-, (3,5-dichlorophenyl)hydrazone, [C(E)]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



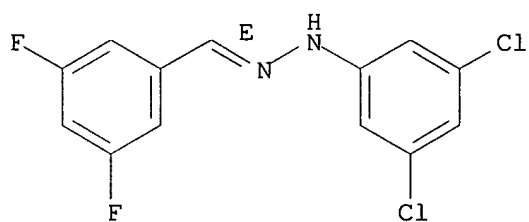
RN 849050-40-4 CAPLUS
CN Benzaldehyde, 4-(trifluoromethyl)-, (3,5-dichlorophenyl)hydrazone, [C(E)]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



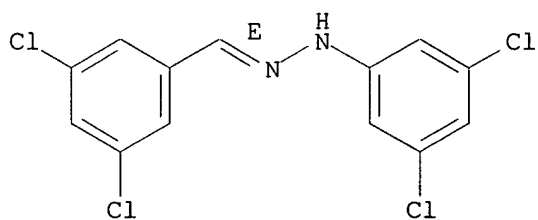
RN 849050-41-5 CAPLUS
CN Benzaldehyde, 3,5-difluoro-, (3,5-dichlorophenyl)hydrazone, [C(E)]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



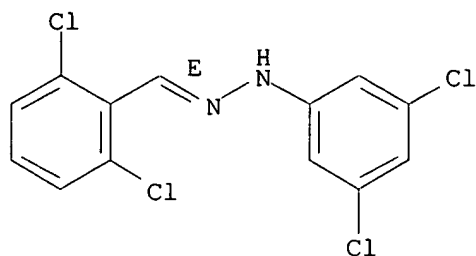
RN 849050-42-6 CAPLUS
CN Benzaldehyde, 3,5-dichloro-, (3,5-dichlorophenyl)hydrazone, [C(E)]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



RN 849050-43-7 CAPLUS
CN Benzaldehyde, 2,6-dichloro-, (3,5-dichlorophenyl)hydrazone, [C(E)]- (9CI)
(CA INDEX NAME)

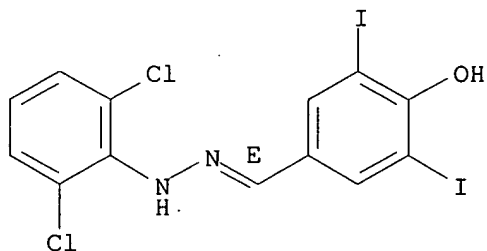
Double bond geometry as shown.



RN 849050-48-2 CAPLUS

CN Benzaldehyde, 4-hydroxy-3,5-diiodo-, (2,6-dichlorophenyl)hydrazone,
[C(E)]- (9CI) (CA INDEX NAME)

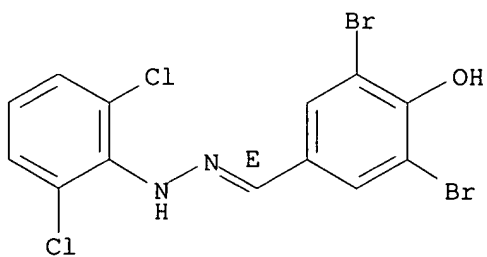
Double bond geometry as shown.



RN 849050-49-3 CAPLUS

CN Benzaldehyde, 3,5-dibromo-4-hydroxy-, (2,6-dichlorophenyl)hydrazone,
[C(E)]- (9CI) (CA INDEX NAME)

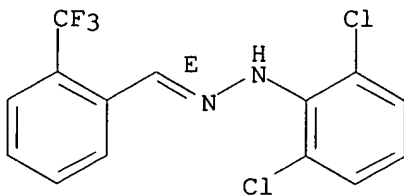
Double bond geometry as shown.



RN 849050-50-6 CAPLUS

CN Benzaldehyde, 2-(trifluoromethyl)-, (2,6-dichlorophenyl)hydrazone, [C(E)]-
(9CI) (CA INDEX NAME)

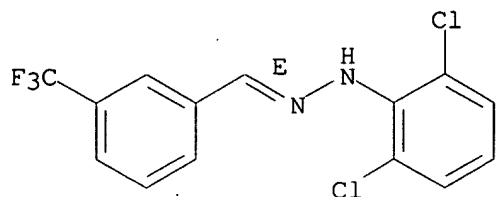
Double bond geometry as shown.



RN 849050-51-7 CAPLUS

CN Benzaldehyde, 3-(trifluoromethyl)-, (2,6-dichlorophenyl)hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

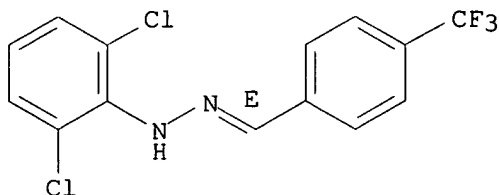
Double bond geometry as shown.



RN 849050-52-8 CAPLUS

CN Benzaldehyde, 4-(trifluoromethyl)-, (2,6-dichlorophenyl)hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

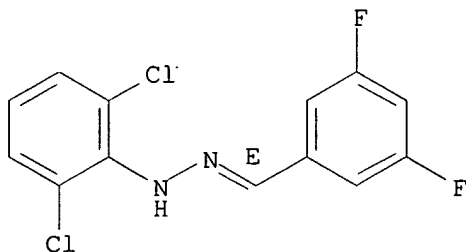
Double bond geometry as shown.



RN 849050-53-9 CAPLUS

CN Benzaldehyde, 3,5-difluoro-, (2,6-dichlorophenyl)hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

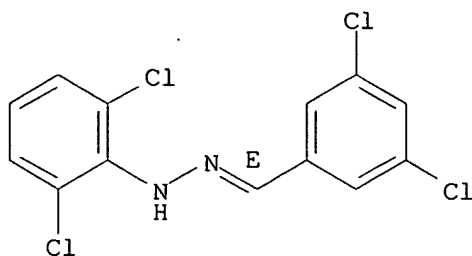
Double bond geometry as shown.



RN 849050-54-0 CAPLUS

CN Benzaldehyde, 3,5-dichloro-, (2,6-dichlorophenyl)hydrazone, [C(E)]-(9CI) (CA INDEX NAME)

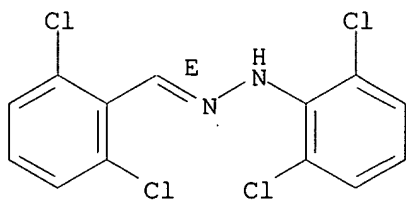
Double bond geometry as shown.



RN 849050-55-1 CAPLUS

CN Benzaldehyde, 2,6-dichloro-, (2,6-dichlorophenyl)hydrazone, [C(E)]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:76258 CAPLUS

DOCUMENT NUMBER: 142:148826

TITLE: Chromatosis remedies

INVENTOR(S): Itai, Akiko; Muto, Susumu

PATENT ASSIGNEE(S): Institute of Medicinal Molecular Design. Inc., Japan

SOURCE: PCT Int. Appl., 130 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

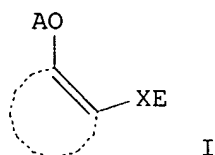
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007151	A1	20050127	WO 2004-JP10558	20040716
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:				
BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,				
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,				
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,				
SN, TD, TG				
AU 2004257528	A2	20050127	AU 2004-257528	20040716
AU 2004257528	A1	20050127		
CA 2532313	AA	20050127	CA 2004-2532313	20040716

EP 1649852 A1 20060426 EP 2004-747921 20040716
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
 PRIORITY APPLN. INFO.: JP 2003-197807 A 20030716
 WO 2004-JP10558 W 20040716
 OTHER SOURCE(S): MARPAT 142:148826
 ED Entered STN: 28 Jan 2005
 GI



AB Preventive and/or therapeutic drugs for chromotosis and/or skin cancer, containing as the active ingredient substances selected from the group consisting of compds. represented by the general formula (I), pharmacol. acceptable salts of the same, and hydrates and solvates thereof: (I) wherein X is a connecting group whose main chain has 2 to 5 atoms (which group may be substituted); A is hydrogen or acetyl; E is optionally substituted aryl or optionally substituted heteroaryl; and Z is arene which may have a substituent in addition to the groups represented by the general formulas: -O-A (wherein A is as defined above) and -X-E (wherein X and E are each as defined above) or heteroarene which may have a substituent in addition to the groups represented by the general formulas: -O-A (wherein A is as defined above) and -X-E (wherein X and E are each as defined above).

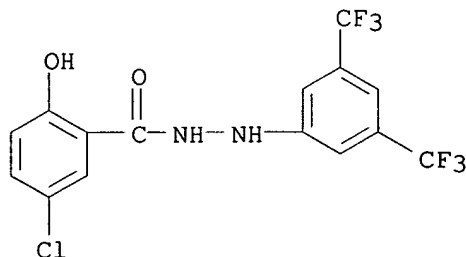
IT 634184-78-4 634184-83-1

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(trifluoromethylphenylchlorohydroxybenzamide analogs as chromotosis and skin cancer remedies and skin whitening cosmetics)

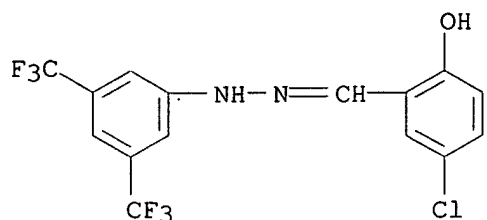
RN 634184-78-4 CAPLUS

CN Benzoic acid, 5-chloro-2-hydroxy-, 2-[3,5-bis(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)



RN 634184-83-1 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, [3,5-bis(trifluoromethyl)phenyl]hydrazo ne (9CI) (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:38313 CAPLUS

DOCUMENT NUMBER: 142:355008

TITLE: Synthesis and antibacterial activity of oximes, semicarbazones and phenylhydrazones

AUTHOR(S): Hania, Majed M.

CORPORATE SOURCE: Chemistry Department, The Islamic University, Gaza, Gaza, Israel

SOURCE: Asian Journal of Chemistry (2005), 17(1), 439-442

CODEN: AJCHEW; ISSN: 0970-7077

PUBLISHER: Asian Journal of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:355008

ED Entered STN: 17 Jan 2005

AB New oximes, semicarbazones and phenylhydrazones were synthesized from o-chloroacetophenone, p-methylacetophenone, and p-methoxybenzaldehyde and their antibacterial activity were studied against E. coli which gave different results of activity. The oximes showed good activity but the semicarbazones and phenylhydrazones showed poor activity against -ve bacteria.

IT 54779-81-6P, 4-Methylacetophenone phenylhydrazone

412296-65-2P, 2-Chloroacetophenone phenylhydrazone

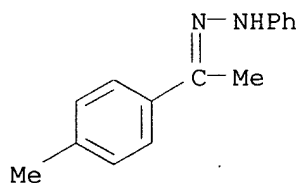
RL: PAC (Pharmacological activity); SPN (Synthetic preparation);

BIOL (Biological study); PREP (Preparation)

(preparation and antibacterial activity)

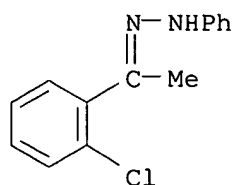
RN 54779-81-6 CAPLUS

CN Ethanone, 1-(4-methylphenyl)-, phenylhydrazone (9CI) (CA INDEX NAME)



RN 412296-65-2 CAPLUS

CN Ethanone, 1-(2-chlorophenyl)-, phenylhydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:857547 CAPLUS

DOCUMENT NUMBER: 141:350174

TITLE: Preparation of benzaldehyde or heterocycle carboxaldehyde hydrazone derivatives as inhibitors of agglutination and/or deposition of an **amyloid** protein or **amyloid**-like protein

INVENTOR(S): Kawagoe, Keiichi; Motoki, Kayoko; Odagiri, Takashi; Suzuki, Nobuyuki; Chen, Chun-Jen; Mimura, Tetsuya

PATENT ASSIGNEE(S): Daiichi Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 236 pp.

CODEN: PIXXD2

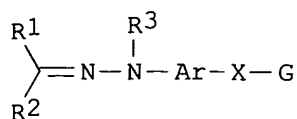
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087641	A1	20041014	WO 2004-JP4607	20040331
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2521056	AA	20041014	CA 2004-2521056	20040331
EP 1612204	A1	20060104	EP 2004-724752	20040331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			JP 2003-94257	A 20030331
			WO 2004-JP4607	W 20040331
OTHER SOURCE(S): MARPAT 141:350174				
ED Entered STN: 18 Oct 2004				
GI				

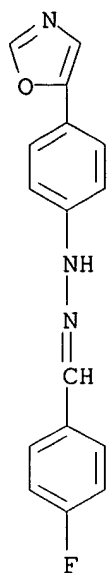


I

AB Compds. represented by the general formula (I), salts thereof, or solvates of either[R1, R2 = H, alkyl, alkenyl, alkynyl, aralkyl, NH2, alkylamino, cyano, halo, haloalkyl, haloalkenyl, haloalkynyl, CO2H, alkoxycarbonyl, CONH2, N-alkylcarbamoyl, N,N-dialkylcarbamoyl, N-hydroxyalkylcarbamoyl, each (un)substituted aryl, (un)saturated 5- to 7-membered heterocyclyl, (un)saturated bi- or tricyclic condensed heterocyclyl, arylalkenyl, (un)saturated heterocyclylalkenyl, or (un)saturated bi- or tricyclic condensed heterocyclylalkenyl; R3 = H, (un)substituted alkyl, acyl, alkoxycarbonyl; Ar = a divalent group derived from aromatic hydrocarbon, (un)saturated 5- to 7-membered heterocyclic group, or (un)saturated bi- or tricyclic condensed heterocyclic group; X = a single bond, a single bond, each (un)substituted linear or branched C1-3 alkylene, C1-3 alkenylene, or C1-3 alkynylene, CO; G = halo, haloalkyl, haloalkenyl, haloalkynyl, alkoxy, alkoxycarbonyl, N-alkylamino, N,N-dialkylamino, each (un)substituted (un)saturated bi- or tricyclic condensed hydrocarbyl, (un)saturated 5- to 7-membered heterocyclyl, or (un)saturated bi- or tricyclic heterocyclyl] are prepared Also disclosed is (1) an agent for inhibiting the agglutination and/or deposition of an amyloid protein or amyloid-like protein or (2) a preventive and/or remedy for conformational diseases or diseases caused by amyloid accumulation, which contains the compound I, its salt, or solvate thereof. In particular, disclosed is a preventive and/or remedy for Alzheimer's disease, Down's syndrome, Creutzfeldt-Jakob disease, type II diabetes, dialysis amyloidosis, AA amyloidosis, Gerstmann-Straussler-Scheinker (GSS) syndrome, Muckle-Wells syndrome, localized atrial amyloidosis, thyroid medullary carcinoma, skin amyloidosis, localized tuberous amyloidosis, AL amyloidosis, AH amyloidosis, familial Mediterranean fever, Parkinson's disease, tauopathy, ALS, or CAG repeat disease. A radiodiagnostic agent containing radionuclide-labeled, in particular radioactive iodine-labeled compound I is also disclosed. Thus, 1.0 g 4-(oxazol-5-yl)phenylhydrazine and 0.61 g 4-pyridinecarboxaldehyde were heated in ethanol at reflux overnight to give, after recrystn. from ethanol, 1.03 g 4-pyridinecarboxaldehyde N-[4-(oxazol-5-yl)phenyl]hydrazone (II). II inhibited the formation of amyloid from amyloid β protein with IC50 of 2.94 μ M vs. 0.87 and 3.23 μ M for Cogo Red and 2-(1,1-dicyanopropen-2-yl)-6-dimethylaminonaphthalene (DDNP), resp.

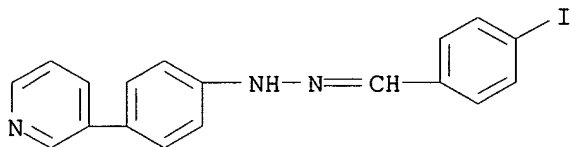
IT 774237-47-7P 774238-15-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation);
THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(preparation of benzaldehyde or heterocycle carboxaldehyde hydrazone derivs. as inhibitors of agglutination and/or deposition of **amyloid** protein or **amyloid**-like protein)

RN 774237-47-7 CAPLUS
CN Benzaldehyde, 4-fluoro-, [4-(5-oxazolyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



RN 774238-15-2 CAPLUS

CN Benzaldehyde, 4-iodo-, [4-(3-pyridinyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991345 CAPLUS

DOCUMENT NUMBER: 140:42216

TITLE: Preparation of phenol or phenyl acetate derivatives for treatment of allergic diseases

INVENTOR(S): Muto, Susumu; Itai, Akiko

PATENT ASSIGNEE(S): Institute of Medicinal Molecular Design. Inc., Japan

SOURCE: PCT Int. Appl., 418 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

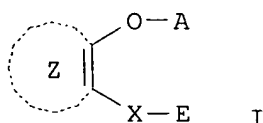
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103665	A1	20031218	WO 2003-JP7120	20030605
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,				

UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2488367 AA 20031218 CA 2003-2488367 20030605
 AU 2003242103 A1 20031222 AU 2003-242103 20030605
 EP 1514544 A1 20050316 EP 2003-730831 20030605
 R; AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 CN 1658872 A 20050824 CN 2003-812926 20030605
 PRIORITY APPLN. INFO.: JP 2002-165148 A 20020606
 WO 2003-JP7120 W 20030605
 OTHER SOURCE(S): MARPAT 140:42216
 ED Entered STN: 21 Dec 2003
 GI



AB The title compds. I [wherein X = a connecting group; A = H or acetyl; E = (un)substituted aryl or heteroaryl; ring Z = (un)substituted arene or heteroarene] and pharmaceutically acceptable salts, hydrates, and solvates thereof are prepared for the treatment of allergic diseases, endometriosis, and/or hysteromyoma (no data). A total of .apprx.500 I including N-phenylhydroxybenzamides (N-phenylsalicylamide), N-heterocyclylhydroxybenzamides, N-phenylhydroxycarbazolecarboxamides, N-phenylhydroxynaphthalenecarboxamides, N-phenylhydroxypyridinecarboxamide s, N-phenylhydroxyquinoxalinecarboxamide, and N-phenylhydroxyindolecarboxamide were prepared The compds. I exhibited inhibitory activities against IgE production, cell proliferation, and cell degranulation.

IT 634184-78-4P 634184-83-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation);

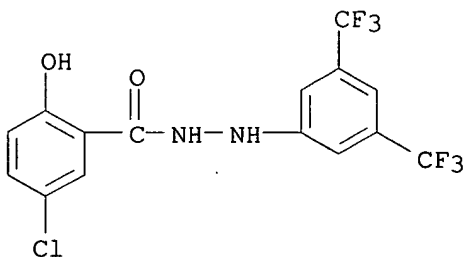
THU (Therapeutic use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(preparation of phenol or Ph acetate derivs. for treatment of allergic diseases)

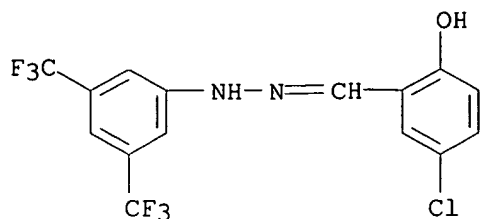
RN 634184-78-4 CAPLUS

CN Benzoic acid, 5-chloro-2-hydroxy-, 2-[3,5-bis(trifluoromethyl)phenyl]hydra zide (9CI) (CA INDEX NAME)



RN 634184-83-1 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, [3,5-bis(trifluoromethyl)phenyl]hydrazo
ne (9CI) (CA INDEX NAME)



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991339 CAPLUS

DOCUMENT NUMBER: 140:42204

TITLE: Preparation of immunity-related protein kinase inhibitors

INVENTOR(S): Muto, Susumu; Itai, Akiko

PATENT ASSIGNEE(S): Institute of Medicinal Molecular Design. Inc., Japan

SOURCE: PCT Int. Appl., 401 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

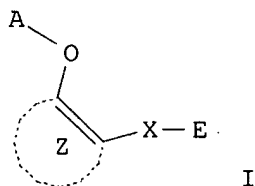
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103658	A1	20031218	WO 2003-JP7130	20030605
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2487900	AA	20031218	CA 2003-2487900	20030605
AU 2003242131	A1	20031222	AU 2003-242131	20030605
EP 1510210	A1	20050302	EP 2003-730840	20030605
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1658854	A	20050824	CN 2003-812919	20030605
US 2006019958	A1	20060126	US 2005-515343	20050801
PRIORITY APPLN. INFO.:			JP 2002-164525	A 20020605
			WO 2003-JP7130	W 20030605

OTHER SOURCE(S): MARPAT 140:42204

ED Entered STN: 21 Dec 2003

GI



AB The title compds. I [X is a connecting group whose main chain has 2 to 5 atoms and which may have a substituent; A is hydrogen or acetyl; E is optionally substituted aryl or optionally substituted heteroaryl; and Z is arene which may have a substituent in addition to the groups represented by the general formulas O-A (wherein A is as defined above) and X-E (wherein X and E are as defined above) or heteroarene which may have a substituent in addition to the groups represented by the general formulas O-A (wherein A is as defined above) and X-E (wherein X and E are as defined above)] are prepared. Compds. of this invention in vitro at 1 $\mu\text{g/mL}$ gave 90% to 92.6% inhibition of NF- κ B activation.

IT 634184-78-4P 634184-83-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation);

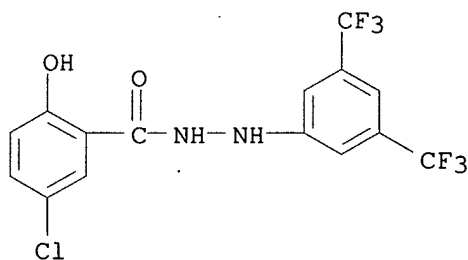
THU (Therapeutic use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(preparation of immunity-related protein kinase inhibitors)

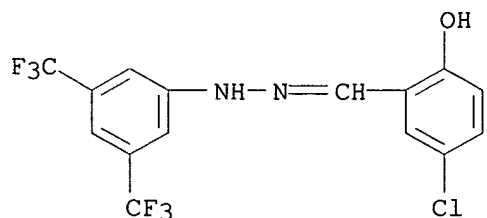
RN 634184-78-4 CAPLUS

CN Benzoic acid, 5-chloro-2-hydroxy-, 2-[3,5-bis(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)



RN 634184-83-1 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, [3,5-bis(trifluoromethyl)phenyl]hydrazo
ne (9CI) (CA INDEX NAME)



REFERENCE COUNT:

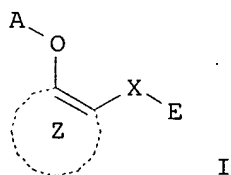
20

THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991330 CAPLUS
 DOCUMENT NUMBER: 140:27850
 TITLE: Preparation of phenol or phenyl acetate derivatives as
 therapeutic drugs for prevention or treatment of
 diabetes and/or diabetes complications
 INVENTOR(S): Muto, Susumu; Itai, Akiko
 PATENT ASSIGNEE(S): Institute of Medicinal Molecular Design. Inc., Japan
 SOURCE: PCT Int. Appl., 396 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103648	A1	20031218	WO 2003-JP7131	20030605
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2488342	AA	20031218	CA 2003-2488342	20030605
AU 2003242137	A1	20031222	AU 2003-242137	20030605
EP 1510207	A1	20050302	EP 2003-730841	20030605
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1658850	A	20050824	CN 2003-812943	20030605
PRIORITY APPLN. INFO.:			JP 2002-164524	A 20020605
			WO 2003-JP7131	W 20030605
OTHER SOURCE(S):	MARPAT 140:27850			
ED	Entered STN: 21 Dec 2003			
GI				



AB Disclosed are medicines for the prevention and/or treatment of diabetes and/or diabetes complications, containing as the active ingredient substances selected from the group consisting of compds. represented by the general formula (I) and pharmacol. acceptable salts thereof, and hydrates and solvates of both (wherein X is a connecting group whose main chain has 2 to 5 carbon atoms and which may have a substituent; A is hydrogen or acetyl; E is optionally substituted aryl or optionally substituted heteroaryl; and the ring Z is arene which may have a substituent in addition to the groups represented by the general formulas: -O-A and -X-E, or

heteroarene which may have a substituent in addition to the groups represented by the general formulas: -O-A and -X-E). Also disclosed are medicines possessing insulin-resistance improving, hyperinsulinemia improving, and/or hyperglycemia improving activity. A total of .apprx.500 I including N-phenylhydroxybenzamides (N-phenylsalicylamide), N-heterocyclylhydroxybenzamides, N-phenylhydroxycarbazolecarboxamides, N-phenylhydroxynaphthalenecarboxamides, N-phenylhydroxypyridinecarboxamides, N-phenylhydroxyquinoxalinecarboxamide, and N-phenylhydroxyindolecarboxamide were prepared. The compds. I improve insulin resistance by specifically inhibiting IKK- β (I κ B kinase β).

IT 634184-78-4P 634184-83-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation);

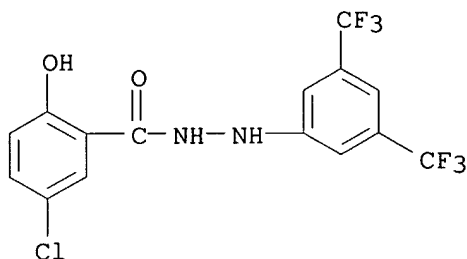
THU (Therapeutic use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(preparation of phenol or Ph acetate derivs. as therapeutic drugs for prevention or treatment of diabetes and/or diabetes complications)

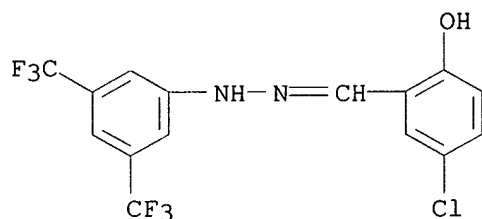
RN 634184-78-4 CAPLUS

CN Benzoic acid, 5-chloro-2-hydroxy-, 2-[3,5-bis(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)



RN 634184-83-1 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, [3,5-bis(trifluoromethyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991329 CAPLUS

DOCUMENT NUMBER: 140:27849

TITLE: Preparation of phenol or phenyl acetate derivatives as inhibitors against the activation of activator protein-1 (AP-1) and nuclear factor of activated T-cells (NFAT)

INVENTOR(S): Muto, Susumu; Itai, Akiko

PATENT ASSIGNEE(S): Institute of Medicinal Molecular Design. Inc., Japan

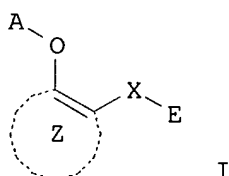
SOURCE: PCT Int. Appl., 401 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103647	A1	20031218	WO 2003-JP7129	20030605
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2487891	AA	20031218	CA 2003-2487891	20030605
AU 2003242127	A1	20031222	AU 2003-242127	20030605
EP 1512396	A1	20050309	EP 2003-730839	20030605
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1658849	A	20050824	CN 2003-812942	20030605
PRIORITY APPLN. INFO.:			JP 2002-164526	A 20020605
			WO 2003-JP7129	W 20030605

OTHER SOURCE(S): MARPAT 140:27849

ED Entered STN: 21 Dec 2003

GI



AB Disclosed are medicines for inhibiting the activation of AP-1 or NFAT, containing as the active ingredient substances selected from the group consisting of compds. represented by the general formula (I) and pharmacol. acceptable salts thereof, and hydrates and solvates of both (wherein X is a connecting group whose main chain has 2 to 5 carbon atoms and which may have a substituent; A is hydrogen or acetyl; E is optionally substituted aryl or optionally substituted heteroaryl; and the ring Z is arene which may have a substituent in addition to the groups represented by the general formulas: -O-A and -X-E, or heteroarene which may have a substituent in addition to the groups represented by the general formulas: -O-A and -X-E). A total of .apprx.500 I including N-phenylhydroxybenzamides (N-phenylsalicylamide), N-heterocyclylhydroxybenzamides, N-phenylhydroxycarbazolecarboxamides, N-phenylhydroxynaphthalenecarboxamides, N-phenylhydroxypyridinecarboxamide s, N-phenylhydroxyquinoxalinecarboxamide, and N-phenylhydroxyindolecarboxamide were prepared The compds. I can exhibit the

inhibitory activity against releasing inflammatory cytokines, inflammatory activity, immunosuppressant activity, and antiallergic activity based on inhibiting the activation of AP-1 or NFAT.

IT 634184-78-4P 634184-83-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation);

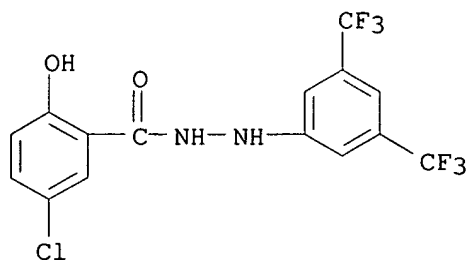
THU (Therapeutic use); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(preparation of phenol or Ph acetate derivs. as inhibitors against activation of activator protein-1 (AP-1) and nuclear factor of activated T-cells (NFAT))

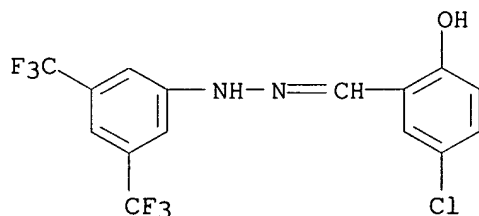
RN 634184-78-4 CAPLUS

CN Benzoic acid, 5-chloro-2-hydroxy-, 2-[3,5-bis(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)



RN 634184-83-1 CAPLUS

CN Benzaldehyde, 5-chloro-2-hydroxy-, [3,5-bis(trifluoromethyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:868743 CAPLUS

DOCUMENT NUMBER: 137:352894

TITLE: Preparation of hydrazones and hydrazines for use in increasing erythropoietin and vascularization of tissue

INVENTOR(S): Almstead, Ji-In Kim; Izzo, Nicholas John; Jones, David Robert

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: PCT Int. Appl., 53 pp.

CODEN: PIXXD2

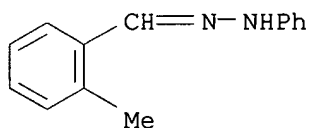
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002089809	A1	20021114	WO 2002-US14106	20020506
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003092716	A1	20030515	US 2002-134890	20020429
US 6660737	B2	20031209		
US 2004053977	A1	20040318	US 2003-661905	20030912
PRIORITY APPLN. INFO.:			US 2001-288765P	P 20010504
			US 2002-134890	A3 20020429
OTHER SOURCE(S): MARPAT 137:352894				
ED Entered STN: 15 Nov 2002				
AB R1R2R3CNR4NR5R6 [R1, R6 = aryl, cycloalkyl, heteroaryl, heterocycloalkyl; R2, R4 = bond; R2, R4 = H; R3 = H, alkyl] were prepared for use as VEGF stimulators in increasing erythropoietin and vascularization of tissue. Thus, 2-acetylpyridine was treated with 2-hydrazinopyridine to give the hydrazone which had EC50 for induction of VEGF formation of 0.65 (no units).				
IT 59473-50-6P				
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyridyl hydrazones and hydrazines for use in increasing erythropoietin and vascularization of tissue)				
RN 59473-50-6 CAPLUS				
CN Benzaldehyde, 2-methyl-, phenylhydrazone (9CI) (CA INDEX NAME)				



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 11 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2001:693288 CAPLUS
 DOCUMENT NUMBER: 135:242237
 TITLE: Preparation of pyridazinylphenyl hydrazones useful against congestive heart failure
 INVENTOR(S): Pystynen, Jarmo; Pippuri, Aino; Luiro, Anne; Nore, Pentti; Baeckstroem, Reijo; Loennberg, Kari; Haikala, Heimo; Levijoki, Jouko; Kaheinen, Petri; Kaivola, Juha
 PATENT ASSIGNEE(S): Orion Corporation, Finland
 SOURCE: PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1

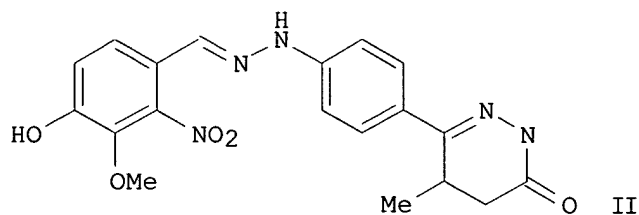
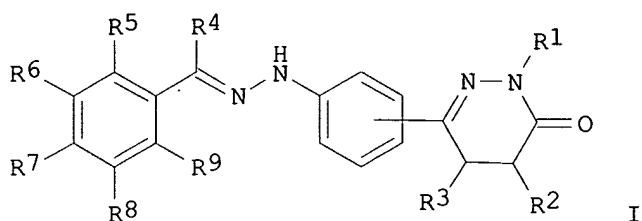
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001068611	A1	20010920	WO 2001-FI241	20010312
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2403188	AA	20010920	CA 2001-2403188	20010312
AU 2001046577	A5	20010924	AU 2001-46577	20010312
EP 1265871	A1	20021218	EP 2001-919489	20010312
EP 1265871	B1	20060208		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
BR 2001009136	A	20021224	BR 2001-9136	20010312
JP 2003527375	T2	20030916	JP 2001-567705	20010312
NZ 521162	A	20031128	NZ 2001-521162	20010312
EE 200200520	A	20040415	EE 2002-520	20010312
AT 317388	E	20060215	AT 2001-919489	20010312
ZA 2002006917	A	20030730	ZA 2002-6917	20020828
NO 2002004247	A	20021025	NO 2002-4247	20020905
BG 107175	A	20030530	BG 2002-107175	20021008
US 2003158200	A1	20030821	US 2002-221348	20021226
US 6699868	B2	20040302		
HK 1052008	A1	20050527	HK 2003-104272	20030616
PRIORITY APPLN. INFO.:			FI 2000-577	A 20000313
			WO 2001-FI241	W 20010312

OTHER SOURCE(S): MARPAT 135:242237

ED Entered STN: 21 Sep 2001

GI



AB The title compds. [I; R1-R4 = H, alkyl, aryl, etc.; or R2 and R3 form a

ring of 5-7 carbon atoms; R5-R9 = H, alkyl, aryl, etc.] which increase the calcium sensitivity of contractile proteins of the cardiac muscle and are thus useful in the treatment of congestive heart failure, were prepared Thus, reacting (R)-6-(4-hydrazinophenyl)-5-methyl-4,5-dihydro-2H-pyridazin-3-one (preparation given) with 4-hydroxy-3-methoxy-2-nitrobenzaldehyde in EtOH afforded (R)-II which showed 207.2% change from control in test for maximum calcium sensitizing effect in skinned cardiac fiber.

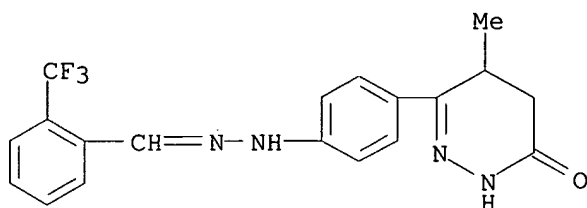
IT 360794-95-2P 360795-21-7P 360795-25-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyridazinylphenyl hydrazones useful against congestive heart failure)

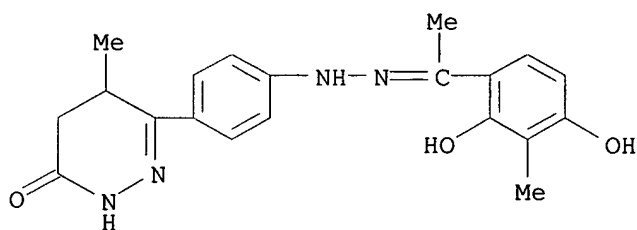
RN 360794-95-2 CAPLUS

CN Benzaldehyde, 2-(trifluoromethyl)-, [4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



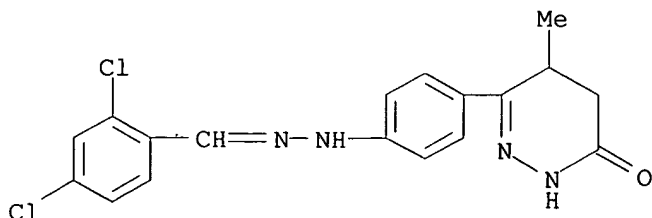
RN 360795-21-7 CAPLUS

CN 3(2H)-Pyridazinone, 6-[4-[[1-(2,4-dihydroxy-3-methylphenyl)ethylidene]hydrazino]phenyl]-4,5-dihydro-5-methyl- (9CI) (CA INDEX NAME)



RN 360795-25-1 CAPLUS

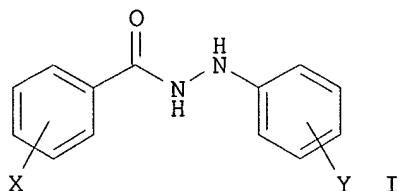
CN Benzaldehyde, 2,4-dichloro-, [4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 12 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:416635 CAPLUS
 DOCUMENT NUMBER: 133:38226
 TITLE: Aryl phenylhydrazides as selective COX-2 inhibitors for the treatment of inflammation
 INVENTOR(S): Sui, Zhihua; Wachter, Michael
 PATENT ASSIGNEE(S): Ortho-McNeil Pharmaceutical, Inc., USA
 SOURCE: U.S., 4 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6077869	A	20000620	US 1999-421566	19991020
PRIORITY APPLN. INFO.:			US 1998-106101P	P 19981029
OTHER SOURCE(S):	MARPAT	133:38226		
ED Entered STN:	22 Jun 2000			
GI				



AB Compds. I (X, Y = H, halo, alkyl, nitro, amino, other O- and S-containing functional groups such as OH, MeO, MeSO₂) are provided for use as selective COX-2 inhibitors and antiinflammatory agents. Compds. were prepared from the reaction of substituted phenylhydrazines with substituted benzoic acids.

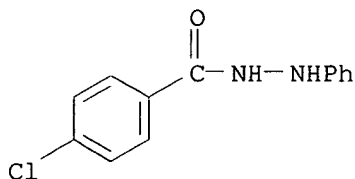
IT 15089-07-3P 36586-31-9P 54812-59-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

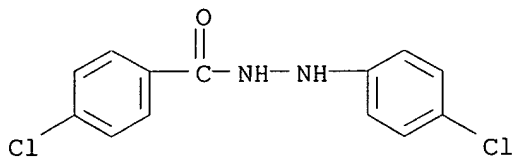
(aryl phenylhydrazide preparation for selective COX-2 inhibitors for treatment of inflammation)

RN 15089-07-3 CAPLUS

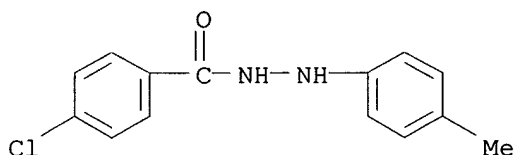
CN Benzoic acid, 4-chloro-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



RN 36586-31-9 CAPLUS
CN Benzoic acid, 4-chloro-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



RN 54812-59-8 CAPLUS
CN Benzoic acid, 4-chloro-, 2-(4-methylphenyl)hydrazide (9CI) (CA INDEX NAME)



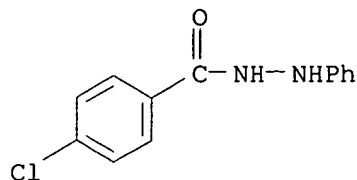
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:209103 CAPLUS
DOCUMENT NUMBER: 132:342810
TITLE: 1,3-Diarylcycloalkanopyrazoles and diphenyl hydrazides as selective inhibitors of cyclooxygenase-2
AUTHOR(S): Sui, Zhihua; Guan, Jihua; Ferro, Michael P.; McCoy, Kathy; Wachter, Michael P.; Murray, William V.; Singer, Monica; Steber, Michele; Ritchie, Dave M.; Argentieri, Dennis C.
CORPORATE SOURCE: The R.W. Johnson Pharmaceutical Research Institute, Raritan, NJ, 08869, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2000), 10(6), 601-604
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 31 Mar 2000
AB Novel 1,3-diarylcycloalkanopyrazoles 1, and di-Ph hydrazides 2 were identified as selective inhibitors of cyclooxygenase-2. The 1,3-diaryl substitution pattern of the pyrazole ring in 1 differentiates these compds. from most of the known selective COX-2 inhibitors that contain two aryl rings at the adjacent positions on a heterocyclic or a Ph ring. Similarly, the two Ph rings in 2 are also separated by three atoms. SAR of both Ph rings in 1 and 2, and the aliphatic ring in 1 are discussed.
IT 15089-07-3P 36586-31-9P 54812-59-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(diarylcycloalkanopyrazoles and di-Ph hydrazides as selective

inhibitors of cyclooxygenase-2)

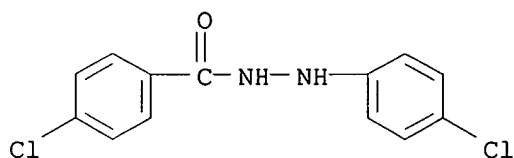
RN 15089-07-3 CAPLUS

CN Benzoic acid, 4-chloro-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



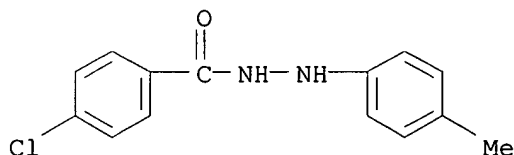
RN 36586-31-9 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



RN 54812-59-8 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(4-methylphenyl)hydrazide (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:783866 CAPLUS

DOCUMENT NUMBER: 132:36989

TITLE: Phenylhydrazine derivatives for use in antifouling coatings as antibacterial, antimycotic and algicidal agents

INVENTOR(S): Igarashi, Shinichi; Nishino, Taito; Takeyama, Toshiaki

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9962335 A1 19991209 WO 1999-JP2934 19990602
 W: AL, AU, BR, CA, CN, JP, KR, LT, LV, MK, MX, NZ, RO, RU, SG, SI,
 US, VN
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE

AU 9940581 A1 19991220 AU 1999-40581 19990602
 PRIORITY APPLN. INFO.: JP 1998-152585 A 19980602
 JP 1998-152586 A 19980602
 WO 1999-JP2934 W 19990602

OTHER SOURCE(S): MARPAT 132:36989

ED Entered STN: 10 Dec 1999

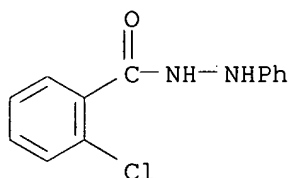
AB The derivs. are compds. WCONHNHR [R = Ph groups which are optionally substituted with halogen, C1-5 (halogenated) alkyl, (halogenated) alkoxy or nitro groups; W = R'(CH₂)_n(O)_m or (optionally substituted) pyrazolyl groups; where R' = R; m, n = 0, 1].

IT 7598-88-1 25957-96-4 36586-31-9
 36586-32-0 39719-02-3 54812-58-7
 56049-21-9 56049-28-6 56049-29-7
 58537-47-6 100716-35-6 105972-71-2
 107775-54-2 116388-94-4 116388-99-9
 252258-71-2

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (phenylhydrazine derivs. for use in antifouling coatings as antibacterial, antimycotic and algicidal agents)

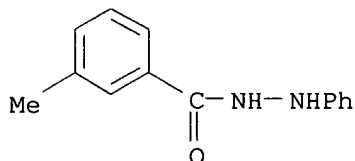
RN 7598-88-1 CAPLUS

CN Benzoic acid, 2-chloro-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



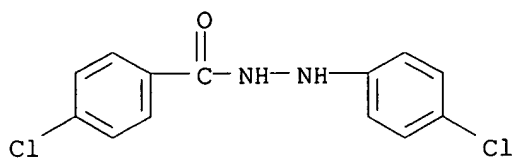
RN 25957-96-4 CAPLUS

CN Benzoic acid, 3-methyl-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



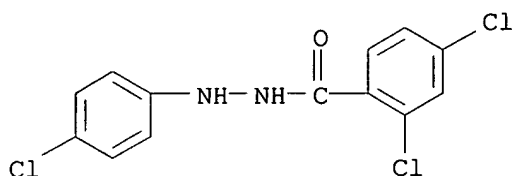
RN 36586-31-9 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



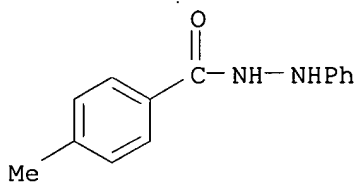
RN 36586-32-0 CAPLUS

CN Benzoic acid, 2,4-dichloro-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



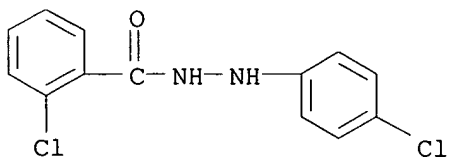
RN 39719-02-3 CAPLUS

CN Benzoic acid, 4-methyl-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



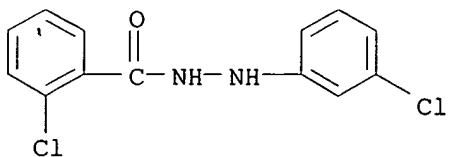
RN 54812-58-7 CAPLUS

CN Benzoic acid, 2-chloro-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)

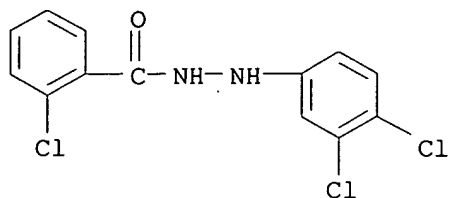


RN 56049-21-9 CAPLUS

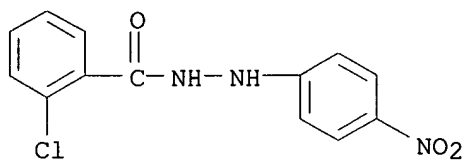
CN Benzoic acid, 2-chloro-, 2-(3-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



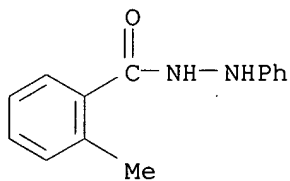
RN 56049-28-6 CAPLUS
CN Benzoic acid, 2-chloro-, 2-(3,4-dichlorophenyl)hydrazide (9CI) (CA INDEX NAME)



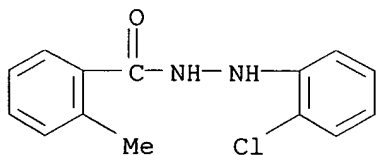
RN 56049-29-7 CAPLUS
CN Benzoic acid, 2-chloro-, 2-(4-nitrophenyl)hydrazide (9CI) (CA INDEX NAME)



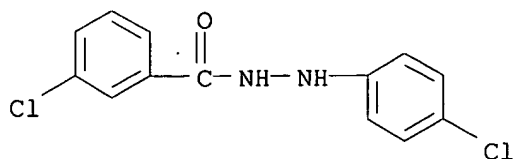
RN 58537-47-6 CAPLUS
CN Benzoic acid, 2-methyl-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



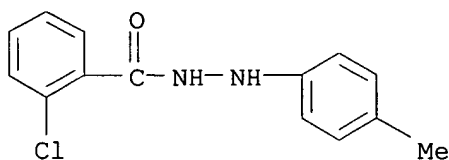
RN 100716-35-6 CAPLUS
CN Benzoic acid, 2-methyl-, 2-(2-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



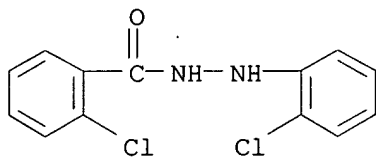
RN 105972-71-2 CAPLUS
CN Benzoic acid, 3-chloro-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



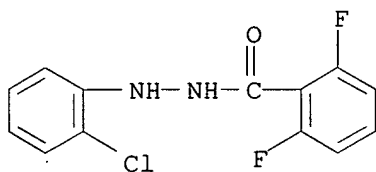
RN 107775-54-2 CAPLUS
CN Benzoic acid, 2-chloro-, 2-(4-methylphenyl)hydrazide (9CI) (CA INDEX NAME)



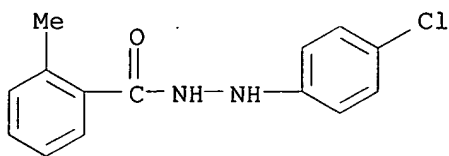
RN 116388-94-4 CAPLUS
CN Benzoic acid, 2-chloro-, 2-(2-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



RN 116388-99-9 CAPLUS
CN Benzoic acid, 2,6-difluoro-, 2-(2-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



RN 252258-71-2 CAPLUS
CN Benzoic acid, 2-methyl-, 2-(4-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:487261 CAPLUS
 DOCUMENT NUMBER: 131:116080
 TITLE: Organic nitrile derivatives and their use as pesticides
 INVENTOR(S): Hall, Roger Graham; Steiger, Arthur; Huter, Ottmar Franz; Pascual, Alfons; Kriz, Miroslav; Trah, Stephan
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
 SOURCE: PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9937603	A1	19990729	WO 1999-EP363	19990120
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2316835	AA	19990729	CA 1999-2316835	19990120
AU 9927181	A1	19990809	AU 1999-27181	19990120
AU 744872	B2	20020307		
BR 9907741	A	20001017	BR 1999-7741	19990120
EP 1049663	A1	20001108	EP 1999-907393	19990120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002501038	T2	20020115	JP 2000-528528	19990120
ZA 9900434	A	19990722	ZA 1999-434	19990121
TW 436475	B	20010528	TW 1999-88100972	19990122
PRIORITY APPLN. INFO.:			CH 1998-149	A 19980122
			CH 1998-963	A 19980429
			WO 1999-EP363	W 19990120

OTHER SOURCE(S): MARPAT 131:116080

ED Entered STN: 06 Aug 1999

AB Nitriles A1NR2N:CA2CN (I; A1, A2 = aryl, heteroaryl; A1 is substituted with (R3a)n1 and A2 is substituted with (R3b)n2; n1, n2 = 1-4; R3a, R3b = H, halo, alkyl, haloalkyl, NO2, cyano, etc.), having agricultural pesticidal activity, were prepared E.g., ovicidal effect of I on *Heliothis virescens* was determined E.g., 4-{1-[(2,6-dichloro-4-trifluoromethylphenyl)hydrazono]-2-nitriloethyl}nitrobenzene was prepared

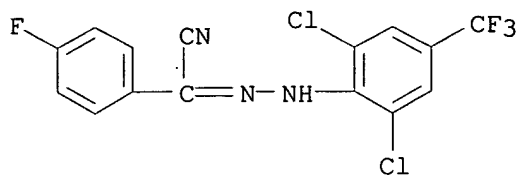
IT 232942-95-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and pesticidal activity of organic nitriles)

RN 232942-95-9 CAPLUS

CN Benzeneacetonitrile, α -[[2,6-dichloro-4-

(trifluoromethyl)phenyl]hydrazono]-4-fluoro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:87707 CAPLUS

DOCUMENT NUMBER: 128:140515

TITLE: Preparation of pesticidal substituted phenylhydrazonomethylbenzenes

INVENTOR(S): Karrer, Friedrich; Hall, Roger Graham

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Karrer, Friedrich; Hall, Roger Graham

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

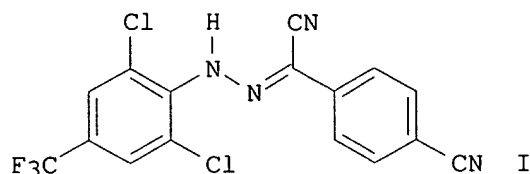
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9803475	A1	19980129	WO 1997-EP3772	19970715
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
CA 2260245	AA	19980129	CA 1997-2260245	19970715
AU 9736951	A1	19980210	AU 1997-36951	19970715
AU 721427	B2	20000706		
CN 1226230	A	19990818	CN 1997-196694	19970715
BR 9711811	A	19990824	BR 1997-11811	19970715
EP 1021398	A1	20000726	EP 1997-933679	19970715
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI			
NZ 333863	A	20000929	NZ 1997-333863	19970715
JP 2000514815	T2	20001107	JP 1998-506523	19970715
TW 391859	B	20000601	TW 1997-86110377	19970722
ZA 9706527	A	19980217	ZA 1997-6527	19970723
US 6306798	B1	20011023	US 1999-230311	19990121
US 2001039247	A1	20011108	US 2001-782629	20010213
US 6417386	B2	20020709		

PRIORITY APPLN. INFO.: CH 1996-1853 A 19960724
 CH 1997-607 A 19970313
 WO 1997-EP3772 W 19970715
 US 1999-230311 B3 19990121

OTHER SOURCE(S): MARPAT 128:140515
 ED Entered STN: 14 Feb 1998

GI



AB The title compds. A1N(R2)N:C(R1)A2 [A1, A2 = substituted mono- or bicyclic aryl or heteroaryl having 1-4 heteroatoms selected from N, O and S; R1 = CN, halo, haloC1-6 alkyl, C(:S)N(R5)2 (wherein R5 = H, C1-8 alkyl); R2 = H, OH, C1-6 alkyl, etc.], useful for pest control, were prepared. Thus, treatment of 4-{1-[(2,6-dichloro-4-trifluoromethylphenyl)hydrazono]-2-nitriloethyl}benzonitrile (preparation described) with NaCN in EtOH/H2O afforded the title compound I which showed activity of > 80% against *Spodoptera littoralis* caterpillars and *Heliothis virescens*.

IT 202274-91-7P 202274-93-9P 202274-94-0P

202274-97-3P 202274-99-5P 202275-08-9P

202275-10-3P 202275-26-1P 202275-30-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector,

except adverse); BSU (Biological study, unclassified); RCT

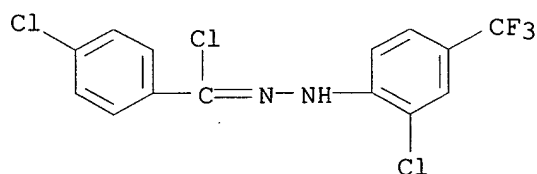
(Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP

(Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of pesticidal substituted phenylhydrazonomethylbenzenes)

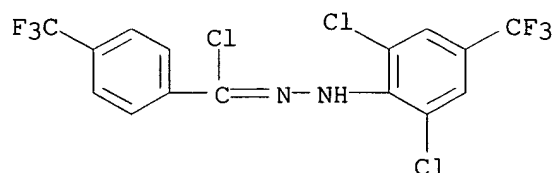
RN 202274-91-7 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-[2-chloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



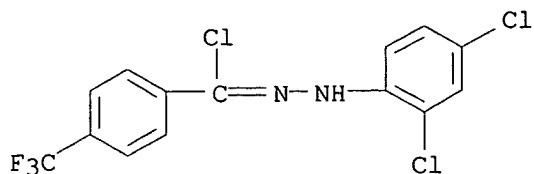
RN 202274-93-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



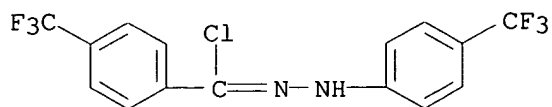
RN 202274-94-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-(2,4-dichlorophenyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



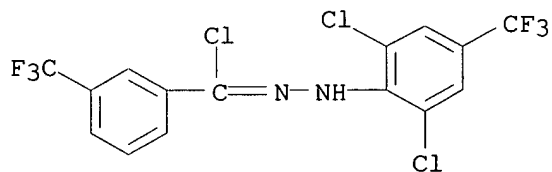
RN 202274-97-3 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-(trifluoromethyl)-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



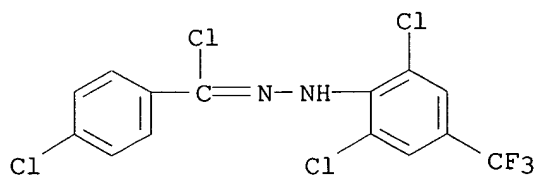
RN 202274-99-5 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



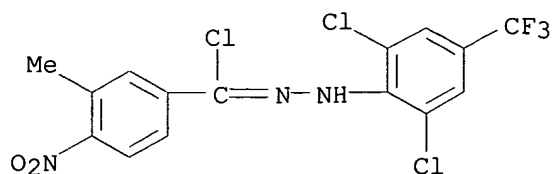
RN 202275-08-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



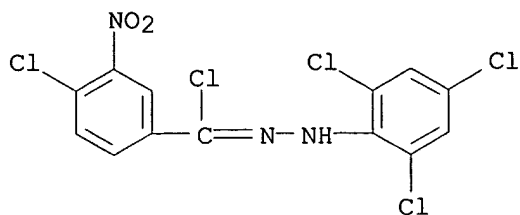
RN 202275-10-3 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)



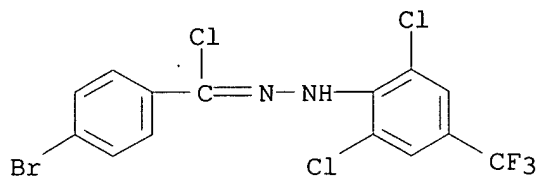
RN 202275-26-1 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-3-nitro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



RN 202275-30-7 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

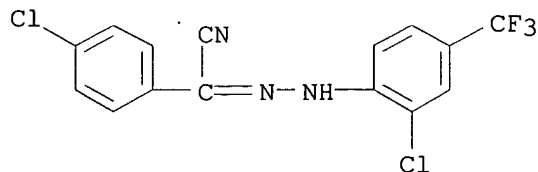


IT 202275-36-3P 202275-38-5P 202275-40-9P
 202275-42-1P 202275-43-2P 202275-45-4P
 202275-46-5P 202275-47-6P 202275-49-8P
 202275-50-1P 202275-52-3P 202275-54-5P
 202275-55-6P 202275-56-7P 202275-57-8P
 202275-58-9P 202275-60-3P 202275-71-6P
 202275-87-4P 202275-89-6P 202275-91-0P
 202276-09-3P 202276-10-6P 202276-24-2P
 202276-30-0P 202276-48-0P 202276-69-5P
 202277-13-2P 202277-14-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pesticidal substituted phenylhydrazonomethylbenzenes)

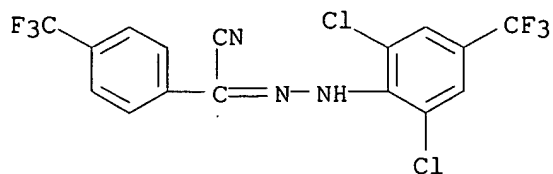
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CN Benzeneacetonitrile, 4-chloro- α -[[2-chloro-4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



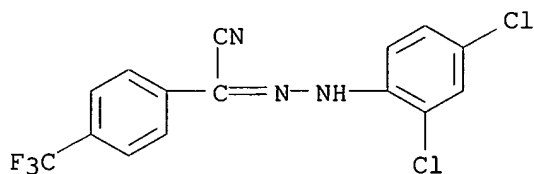
RN 202275-38-5 CAPLUS

CN Benzeneacetonitrile, α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



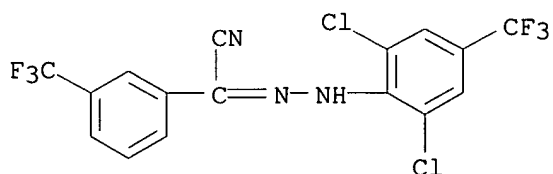
RN 202275-40-9 CAPLUS

CN Benzeneacetonitrile, α -[(2,4-dichlorophenyl)hydrazono]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



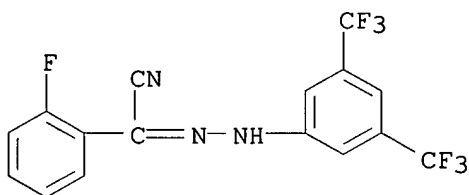
RN 202275-42-1 CAPLUS

CN Benzeneacetonitrile, α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



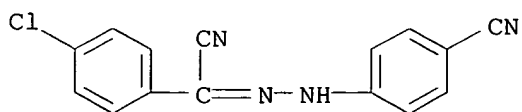
RN 202275-43-2 CAPLUS

CN Benzeneacetonitrile, α -[[3,5-bis(trifluoromethyl)phenyl]hydrazono]-2-fluoro- (9CI) (CA INDEX NAME)

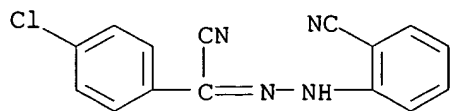


RN 202275-45-4 CAPLUS

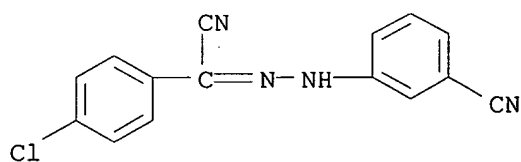
CN Benzeneacetonitrile, 4-chloro- α -[(4-cyanophenyl)hydrazono]- (9CI) (CA INDEX NAME)



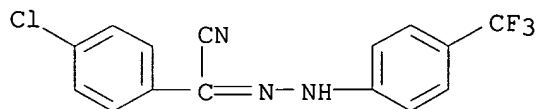
RN 202275-46-5 CAPLUS
CN Benzeneacetonitrile, 4-chloro- α -[(2-cyanophenyl)hydrazono]- (9CI)
(CA INDEX NAME)



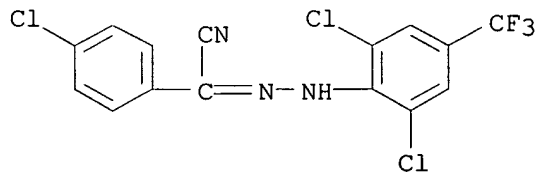
RN 202275-47-6 CAPLUS
CN Benzeneacetonitrile, 4-chloro- α -[(3-cyanophenyl)hydrazono]- (9CI)
(CA INDEX NAME)



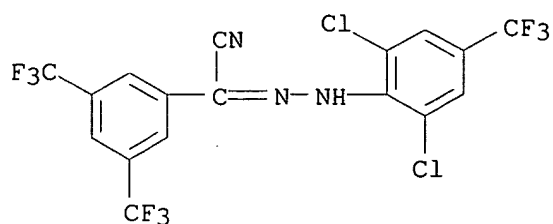
RN 202275-49-8 CAPLUS
CN Benzeneacetonitrile, 4-chloro- α -[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



RN 202275-50-1 CAPLUS
CN Benzeneacetonitrile, 4-chloro- α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)

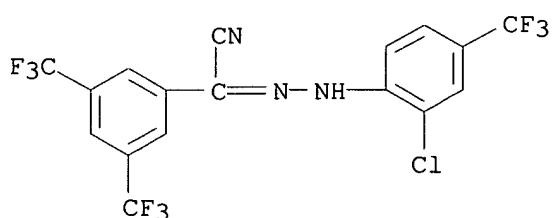


RN 202275-52-3 CAPLUS
CN Benzeneacetonitrile, α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



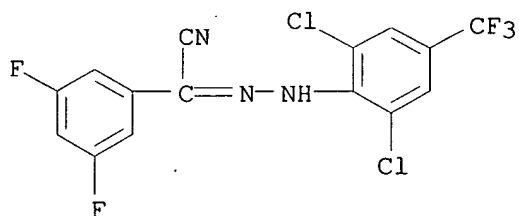
RN 202275-54-5 CAPLUS

CN Benzeneacetonitrile, α -[[2-chloro-4-(trifluoromethyl)phenyl]hydrazono]-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



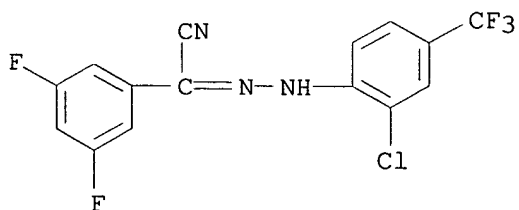
RN 202275-55-6 CAPLUS

CN Benzeneacetonitrile, α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-3,5-difluoro- (9CI) (CA INDEX NAME)



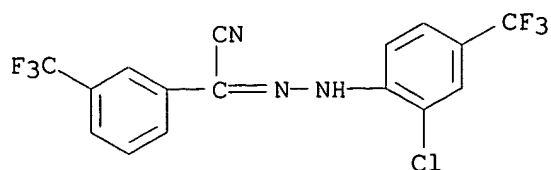
RN 202275-56-7 CAPLUS

CN Benzeneacetonitrile, α -[[2-chloro-4-(trifluoromethyl)phenyl]hydrazono]-3,5-difluoro- (9CI) (CA INDEX NAME)



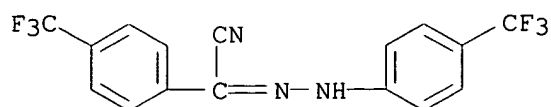
RN 202275-57-8 CAPLUS

CN Benzeneacetonitrile, α -[[2-chloro-4-(trifluoromethyl)phenyl]hydrazono]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



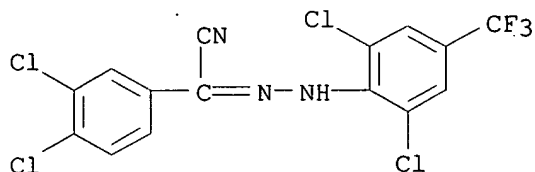
RN 202275-58-9 CAPLUS

CN Benzeneacetonitrile, 4-(trifluoromethyl)-α-[[4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



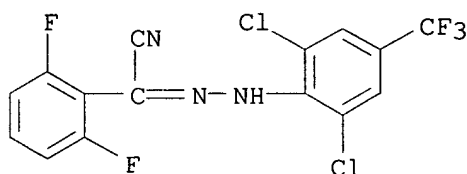
RN 202275-60-3 CAPLUS

CN Benzeneacetonitrile, 3,4-dichloro-α-[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



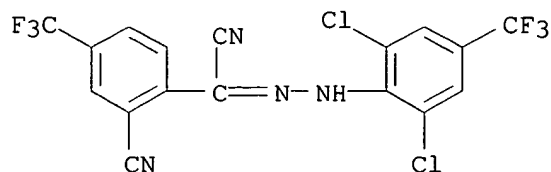
RN 202275-71-6 CAPLUS

CN Benzeneacetonitrile, α-[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-2,6-difluoro- (9CI) (CA INDEX NAME)

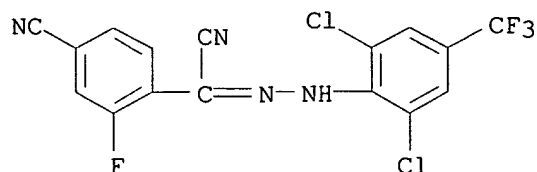


RN 202275-87-4 CAPLUS

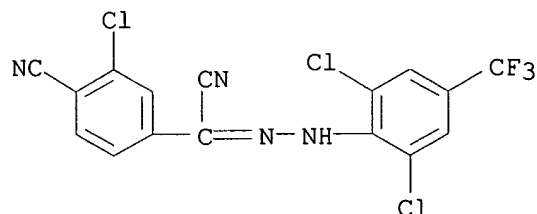
CN Benzeneacetonitrile, 2-cyano-α-[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



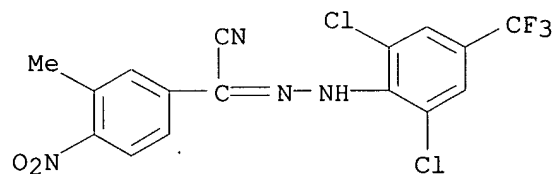
RN 202275-89-6 CAPLUS
CN Benzeneacetonitrile, 4-cyano- α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-2-fluoro- (9CI) (CA INDEX NAME)



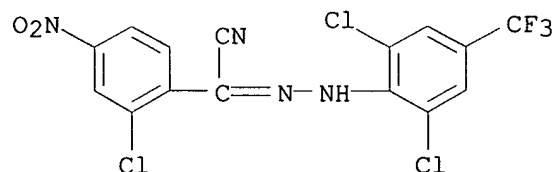
RN 202275-91-0 CAPLUS
CN Benzeneacetonitrile, 3-chloro-4-cyano- α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



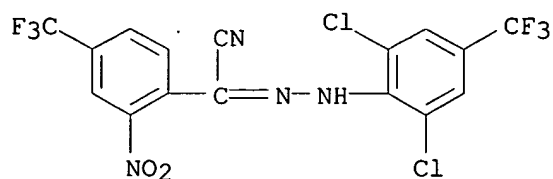
RN 202276-09-3 CAPLUS
CN Benzeneacetonitrile, α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)



RN 202276-10-6 CAPLUS
CN Benzeneacetonitrile, 2-chloro- α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-4-nitro- (9CI) (CA INDEX NAME)

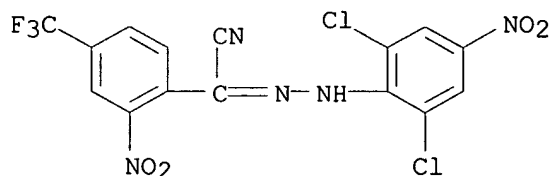


RN 202276-24-2 CAPLUS
CN Benzeneacetonitrile, α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-2-nitro-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



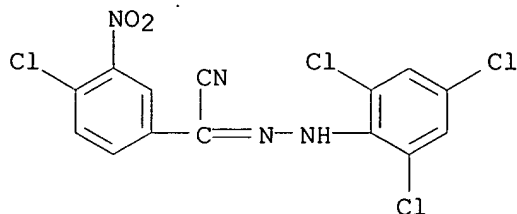
RN 202276-30-0 CAPLUS

CN Benzeneacetonitrile, α -[(2,6-dichloro-4-nitrophenyl)hydrazono]-2-nitro-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



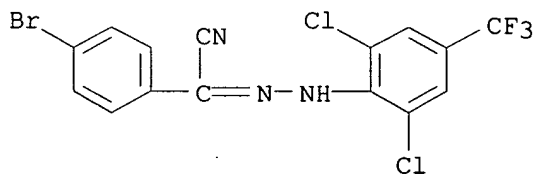
RN 202276-48-0 CAPLUS

CN Benzeneacetonitrile, 4-chloro-3-nitro- α -[(2,4,6-trichlorophenyl)hydrazono]- (9CI) (CA INDEX NAME)



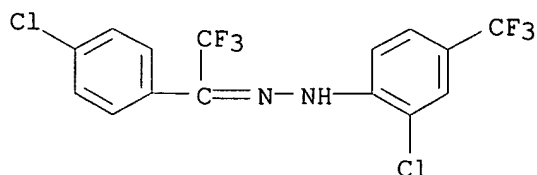
RN 202276-69-5 CAPLUS

CN Benzeneacetonitrile, 4-bromo- α -[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]- (9CI) (CA INDEX NAME)



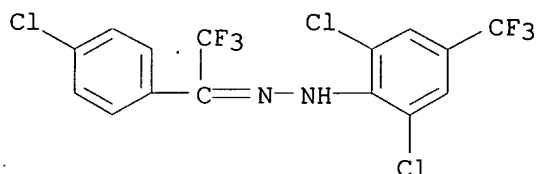
RN 202277-13-2 CAPLUS

CN Ethanone, 1-(4-chlorophenyl)-2,2,2-trifluoro-, [2-chloro-4-(trifluoromethyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



RN 202277-14-3 CAPLUS

CN Ethanone, 1-(4-chlorophenyl)-2,2,2-trifluoro-, [2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L63 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:589253 CAPLUS

DOCUMENT NUMBER: 123:297

TITLE: Some aryl semicarbazones possessing anticonvulsant activities

AUTHOR(S): Dimmock, J. R.; Sidhu, K. K.; Tumber, S. D.; Basran, S. K.; Chen, M.; Quail, J. W.; Yang, J.; Rozas, I.; Weaver, D. F.

CORPORATE SOURCE: College Pharmacy Nutrition, Univ. Saskatchewan, Saskatoon, S7N 0W0, Can.

SOURCE: European Journal of Medicinal Chemistry (1995), 30(4), 287-301

CODEN: EJMCA5; ISSN: 0223-5234

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 123:297

ED Entered STN: 03 Jun 1995

AB A number of aryl semicarbazones were prepared and displayed anticonvulsant activity in the maximal electroshock (MES) and s.c. pentylenetetrazole (scPTZ) screens when administered i.p. to mice. When the compds. were given by the oral route to rats, protection was afforded in the MES but not scPTZ tests. Correlations were noted between the activities in the rat oral MES screen and the σ and σ^* values of the aryl substituents, the interplanar angles made by the aryl rings with the adjacent carbimino groups and the shapes of certain semicarbazones determined by x-ray crystallog. Mol. modeling studies revealed a number of descriptors which contributed to anticonvulsant activity.

IT 16917-42-3P

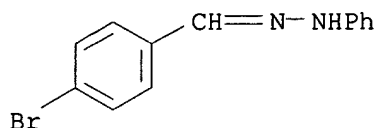
RL: BAC (Biological activity or effector, except adverse); BSU

(Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);

PREP (Preparation); USES (Uses)

(preparation and mol. modeling and QSAR studies of aryl semicarbazones as anticonvulsants)

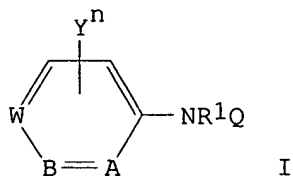
RN 16917-42-3 CAPLUS
 CN Benzaldehyde, 4-bromo-, phenylhydrazone (9CI) (CA INDEX NAME)



L63 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1994:502030 CAPLUS
 DOCUMENT NUMBER: 121:102030
 TITLE: N-arylhydrazine derivatives as insecticides and acaricides.
 INVENTOR(S): Furch, Joseph Augustus; Kuhn, David George; Hunt, David Allen; Lew, Albert Chieh; Gronostajski, Cynthia Emma
 PATENT ASSIGNEE(S): American Cyanamid Co., USA
 SOURCE: Eur. Pat. Appl., 50 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 604798	A1	19940706	EP 1993-119754	19931208
EP 604798	B1	20020220		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
US 5420165	A	19950530	US 1992-998105	19921229
AT 213387	E	20020315	AT 1993-119754	19931208
ES 2173088	T3	20021016	ES 1993-119754	19931208
CZ 286479	B6	20000412	CZ 1993-2808	19931217
AU 9352679	A1	19940714	AU 1993-52679	19931224
AU 675253	B2	19970130		
RO 113556	B1	19980828	RO 1993-1796	19931227
SK 281733	B6	20010710	SK 1993-1484	19931227
IL 108188	A1	20011125	IL 1993-108188	19931227
CN 1089938	A	19940727	CN 1993-121610	19931228
CN 1044600	B	19990811		
ZA 9309740	A	19940818	ZA 1993-9740	19931228
JP 06293605	A2	19941021	JP 1993-350030	19931228
BR 9305254	A	19941101	BR 1993-5254	19931228
HU 67294	A2	19950328	HU 1993-3772	19931228
PL 175499	B1	19990129	PL 1993-317481	19931228
PL 176108	B1	19990430	PL 1993-301659	19931228
RU 2140738	C1	19991110	RU 1993-56849	19931228
CA 2112420	AA	19940630	CA 1994-2112420	19940121
US 5585389	A	19961217	US 1995-431227	19950428
US 5646278	A	19970708	US 1995-431154	19950428
US 5693860	A	19971202	US 1995-430631	19950428
JP 2005263809	A2	20050929	JP 2005-134574	20050502
PRIORITY APPLN. INFO.:			US 1992-998101	A 19921229
			US 1992-998104	A 19921229
			US 1992-998105	A 19921229
			JP 1993-350030	A3 19931228

OTHER SOURCE(S): MARPAT 121:102030
 ED Entered STN: 03 Sep 1994
 GI



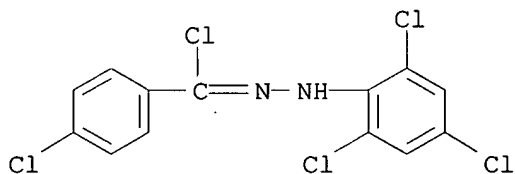
AB The N-arylhydrazine derivs. I [A,B,W=N,CR₄;Y=halo,CN,NO₂, (halo)alkyl, (halo)alkoxy;n=0,1,2;Q=NR₂CRO,N:CRX₁,N:CR(NR₃R₄);R=H, (halo)alkyl, cycloalkyl, (halo)alkoxy, etc.;R₁,R₂=H,alkyl;R₃,R₄=H, (un)substituted alkyl, Ph or pyridyl, etc.] are prepared as acaricides and insecticides. Treatment of 2,6-dichloro-4-(trifluoromethyl)phenylhydrazine with trimethylacetyl chloride, in Cl₂CH₂, gave 2,2-dimethylpropionic acid 2-(2,6-dichloro- α,α,α -trifluoro-p-tolyl)hydrazide (II). Lima bean leaves dipped in 300 ppm II were lethal to Southern armyworm (Spodoptera eridania) 3rd instar larvae.

IT 25939-04-2P 156819-35-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as acaricide and insecticide)

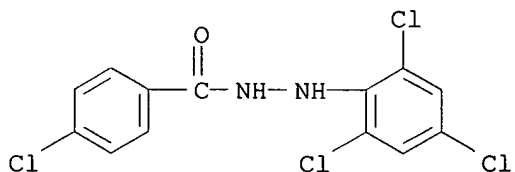
RN 25939-04-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-(2,4,6-trichlorophenyl)-(9CI) (CA INDEX NAME)



RN 156819-35-1 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(2,4,6-trichlorophenyl)hydrazide (9CI) (CA INDEX NAME)



L63 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

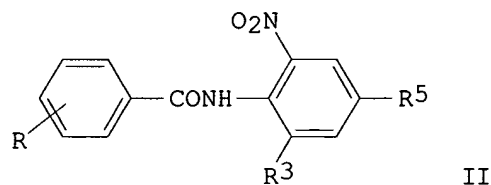
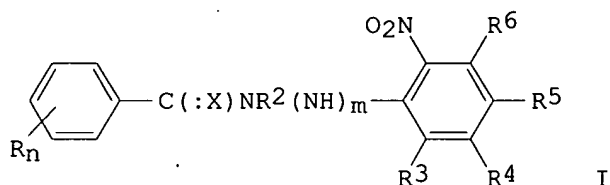
ACCESSION NUMBER: 1990:76626 CAPLUS

DOCUMENT NUMBER: 112:76626

TITLE: Preparation of substituted benzanilides and analogs as

pesticides
 INVENTOR(S): Kern, Manfred; Knauf, Werner; Matterstock, Karl;
 Sachse, Burkhard; Schmidt, Ernst; Schuck, Ernst;
 Waltersdorfer, Anna; Wicke, Heinrich
 PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 18 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3802175	A1	19890803	DE 1988-3802175	19880126
EP 325983	A2	19890802	EP 1989-100672	19890117
R: CH, DE, ES, FR, GB, IT, LI				
BR 8900301	A	19890919	BR 1989-301	19890125
JP 02001441	A2	19900105	JP 1989-14237	19890125
CN 1037143	A	19891115	CN 1989-100451	19890126
PRIORITY APPLN. INFO.:			DE 1988-3802175	A 19880126
OTHER SOURCE(S):			MARPAT 112:76626	
ED Entered STN: 03 Mar 1990				
GI				



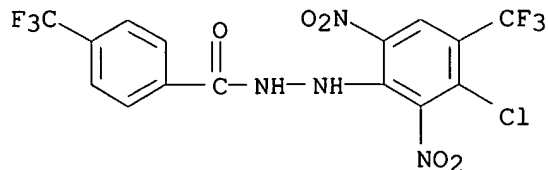
AB The title compds. (I; X = O, S, R1ON; R = H, halo, cyano, NO2, etc.; R1 = H, C1-4 alkyl, C2-4 alkenyl, etc.; R2 = H, C1-4 alkyl, SCC13; R3, R5 = NO2, halo, cyano, CO2H, etc.; R4 = H, halo; R6 = H, halo, C1-4 alkoxy, PhO; m = 0, 1; n = 0-5) were prepared. Thus, 2-(AcO)C6H4CONH2 was stirred 2 h at 0° and 12 h at room temperature with 2-chloro-3,5-dinitrobenzotrifluoride in THF containing KOH to give title compound II (R = 2-AcO; R3 = CF3; R5 = NO2).

II (R = 4-CF3, R3 = NO2, R5 = CF3) gave 100% inhibition of *Plasmopara viticola* on grape seedlings when sprayed at 125 mg/L.

IT **125000-13-7P 125000-16-0P**
 RL: AGR (Agricultural use); **BAC (Biological activity or effector, except adverse)**; BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)

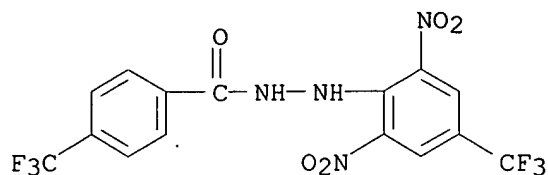
RN 125000-13-7 CAPLUS

CN Benzoic acid, 4-(trifluoromethyl)-, 2-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)



RN 125000-16-0 CAPLUS

CN Benzoic acid, 4-(trifluoromethyl)-, 2-[2,6-dinitro-4-(trifluoromethyl)phenyl]hydrazide (9CI) (CA INDEX NAME)



L63 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1989:548707 CAPLUS

DOCUMENT NUMBER: 111:148707

TITLE: Studies on fungicidal pyrimidinylhydrazones. I.
Fungicidal activity of aromatic aldehyde
pyrimidinylhydrazones

AUTHOR(S): Konishi, Kazuo; Kuragano, Takashi; Tsujikawa, Teruaki

CORPORATE SOURCE: Agro Div., Takeda Chem. Ind., Ltd., Osaka, 532, Japan

SOURCE: Nippon Noyaku Gakkaishi (1989), 14(2), 189-96

CODEN: NNGADV; ISSN: 0385-1559

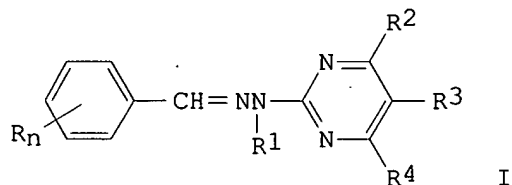
DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:148707

ED Entered STN: 28 Oct 1989

GI



AB Pyrimidinylhydrazones (I, R = H, Cl, anthryl, SCH2Ph, Me, etc.; R1 = H, Ac, Me; R2 = Me, H; R3 = H, Me, Et; R4 = H, alkyl, CF3, Cl, MeO, EtO; n = 1-4) were prepared by the condensation of aromatic aldehydes with pyrimidinylhydrazines or by the reaction of aralkylideneaminoguanidines with β -dicarbonyl compds. and their fungicidal activity against *Pyricularia oryzae*, *Helminthosporium oryzae* and *H. sigmoideum irregulare* related to their structures. Aryl and other heteroarylhydrazones were

also prepared and their fungicidal activity compared with I. A pyrimidinylhydrazone function was a requisite for fungicidal activity, as shown by the loss of activity when 2-pyrimidinylhydrazine was replaced by aromatic or other heteroarom. hydrazines. Covering the hydrazine proton by N-acetylation or N-methylation did not attenuate the activity. Steric congestion near the hydrazone bond increased activity.

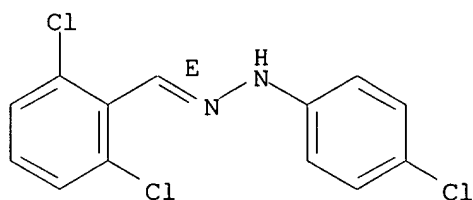
IT 123024-14-6P

RL: AGR (Agricultural use); **BAC (Biological activity or effector, except adverse)**; BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and fungicidal activity of, structure in relation to)

RN 123024-14-6 CAPLUS

CN Benzaldehyde, 2,6-dichloro-, (4-chlorophenyl)hydrazone, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L63 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1989:111581 CAPLUS

DOCUMENT NUMBER: 110:111581

TITLE: The antiviral effect of some substituted α -keto hydrazidoyl bromides

AUTHOR(S): Habib, Hala M.

CORPORATE SOURCE: Fac. Sci., Cairo Univ., Giza, Egypt

SOURCE: Egyptian Journal of Microbiology (1988), Volume Date 1987, 22(1), 129-42

CODEN: EJ MBA2; ISSN: 0301-8172

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 03 Apr 1989

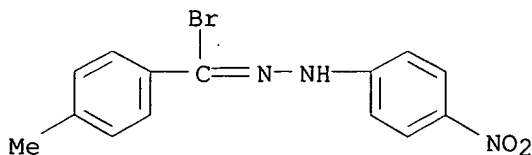
AB The antiviral activity of a series of α -keto hydrazidoyl bromides was investigated. All compds. reduced the number of local lesions induced by tomato mosaic virus on detached Datura metel leaves.

IT 1090-89-7 40394-52-3

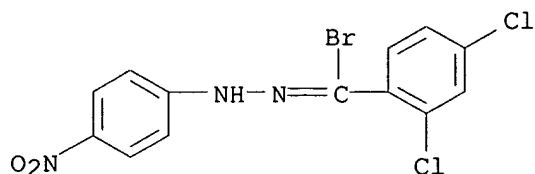
RL: **BAC (Biological activity or effector, except adverse)**; BSU (Biological study, unclassified); BIOL (Biological study) (tomato mosaic virus sensitivity to)

RN 1090-89-7 CAPLUS

CN Benzenecarbohydrazonoyl bromide, 4-methyl-N-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 40394-52-3 CAPLUS
CN Benzenecarbohydrazonoyl bromide, 2,4-dichloro-N-(4-nitrophenyl)- (9CI)
(CA INDEX NAME)



L63 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:485599 CAPLUS

DOCUMENT NUMBER: 109:85599

TITLE: Development of a novel in vitro equine anthelmintic assay

AUTHOR(S): Folz, S. D.; Pax, R. A.; Klei, T. R.; Thomas, E. M.;
Ash, K. A.; Conder, G. A.; Bennett, J. L.

CORPORATE SOURCE: Upjohn Co., Kalamazoo, MI, 49001, USA

SOURCE: Journal of Veterinary Pharmacology and Therapeutics
(1988), 11(2), 177-82
CODEN: JVPTD9; ISSN: 0140-7783

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 17 Sep 1988

AB An in vitro assay involving the use of a horse strongyle (*Strongylus edentatus*) and the micromotility meter was developed to test for equine anthelmintic activity. Three com. available equine anthelmintics (dichlorvos, ivermectin, and pyrantel pamoate) and an investigational drug (p-toluoyl chloride phenylhydrazone) were evaluated in this assay at 4 concns. After a 24-h incubation, ≥ 10 $\mu\text{g/mL}$ of all 4 drugs reduced the motility of ensheathed *S. edentatus* larvae, thereby indicating anthelmintic activity. Pyrantel pamoate also reduced motility at 1 $\mu\text{g/mL}$, while the hydrazone significantly increased movement at this level. At 0.1 $\mu\text{g/mL}$, none of the compds. reduced motility; dichlorvos increased larval motility. Incubation for 48 h resulted in significant activity (reduction in motility) at ≥ 1 $\mu\text{g/mL}$ with 2 drugs (ivermectin, pyrantel pamoate); dichlorvos and the hydrazone reduced motility at ≥ 10 $\mu\text{g/mL}$. None of the treatments reduced motility at the lowest concentration (0.1 $\mu\text{g/mL}$); however, at 48 h, 2 compds. (dichlorvos, hydrazone) increased motility at the lowest concentration (0.1 $\mu\text{g/mL}$). The in vitro *S. edentatus* motility assay proved to be sensitive, accurate and rapid. This assay system should be a valuable addition to tests used to identify potential equine anthelmintics, monitor helminth resistance to drugs, and perhaps define the kinetics and mode of action of drugs.

IT 25939-01-9, p-Toluoyl chloride phenylhydrazone

RL: BAC (Biological activity or effector, except adverse); BSU

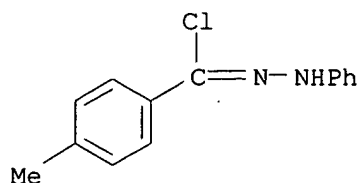
(Biological study, unclassified); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

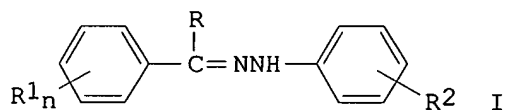
(anthelmintic activity of, in horse, method for evaluation of)

RN 25939-01-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



L63 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1981:208482 CAPLUS
 DOCUMENT NUMBER: 94:208482
 TITLE: Structure-activity relationships in a broad-spectrum anthelmintic series. Acid chloride phenylhydrazones. I. Aryl substitutions and chloride variations
 AUTHOR(S): Rector, Douglas L.; Folz, S. D.; Conklin, R. D.; Nowakowski, L. H.; Kaugars, Girts
 CORPORATE SOURCE: Agric. Res. Dev., Upjohn Co., Kalamazoo, MI, 49001, USA
 SOURCE: Journal of Medicinal Chemistry (1981), 24(5), 532-8
 CODEN: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 94:208482
 ED Entered STN: 12 May 1984
 GI



AB Phenylhydrazones I [R = Me, CF₃, 4-MeOC₆H₄; R_{n1} = Me, NO₂, halo, (MeO)₂, CF₃, alkoxy, cyano, (OH)Me₂, H, Cl₂, F₅, MeS; R₂ = Me, Br, Cl_n (n = 1-3), H, (NO₂)_n (n = 1, 2), Br_n (n = 1, 2)] were prepared from the phenylhydrazine and the aldehyde or ketone. I (R = Cl) were prepared either by chlorination of the benzaldehyde hydrazone or treating the benzhydrazone with PCl₅. Also prepared were 2,4-dichlorophenylglyoxal bis(dichlorophenylhydrazones). These compds. were screened for anthelmintic activity. I (R = Cl) were active. In this series, superior anthelmintic activity was shown by I [R = Cl, R₁ = m- and(or) p-halo, alkoxy, alkyl, and alkylthio]. I (R = Me, CF₃, 4-MeOC₆H₄, Cl₂C₆H₃NHN:CH) lacked activity as compared with I (R = Cl).

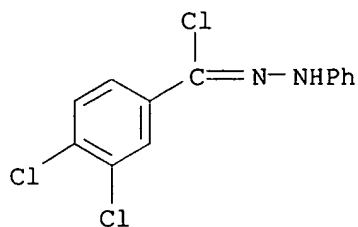
IT 25938-99-2 25939-06-4 25939-08-6
 25939-10-0 25939-12-2 25939-16-6
 25939-18-8 25939-19-9 25995-92-0
 36457-11-1 36590-47-3 36590-52-0
 50656-07-0 50656-24-1 50656-30-9
 50802-13-6

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (anthelmintic activity of)

RN 25938-99-2 CAPLUS

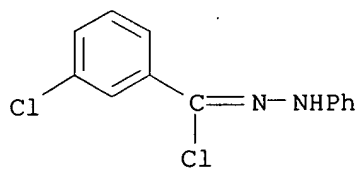
CN Benzenecarbohydrazonoyl chloride, 3,4-dichloro-N-phenyl- (9CI) (CA INDEX

NAME)



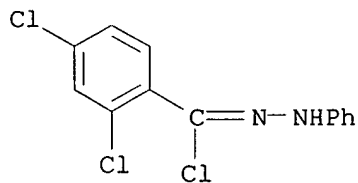
RN 25939-06-4 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-chloro-N-phenyl- (9CI) (CA INDEX NAME)



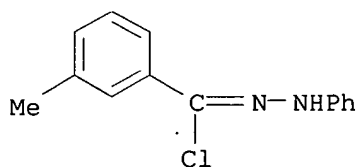
RN 25939-08-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



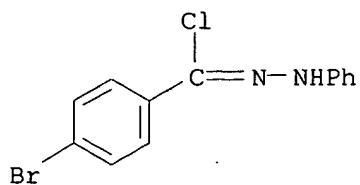
RN 25939-10-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-methyl-N-phenyl- (9CI) (CA INDEX NAME)

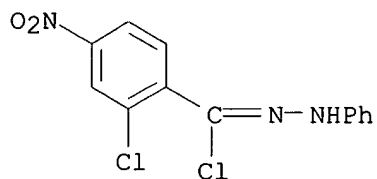


RN 25939-12-2 CAPLUS

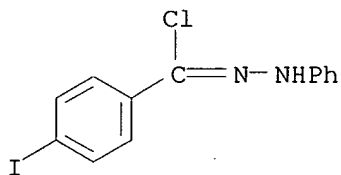
CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-phenyl- (9CI) (CA INDEX NAME)



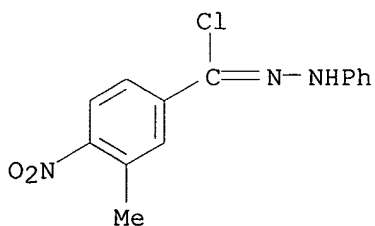
RN 25939-16-6 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 2-chloro-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)



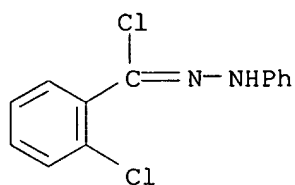
RN 25939-18-8 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 4-iodo-N-phenyl- (9CI) (CA INDEX NAME)



RN 25939-19-9 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 3-methyl-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)

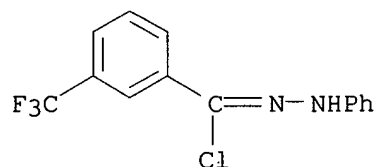


RN 25995-92-0 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 2-chloro-N-phenyl- (9CI) (CA INDEX NAME)



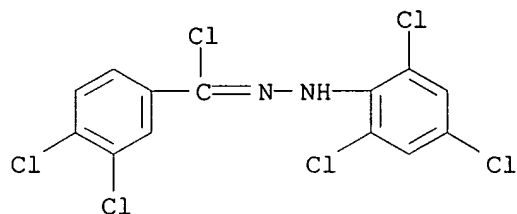
RN 36457-11-1 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-phenyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



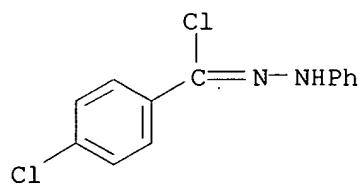
RN 36590-47-3 CAPLUS

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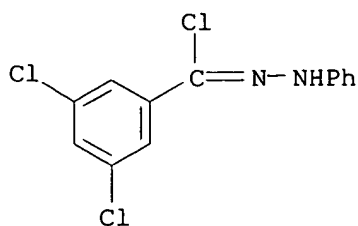
RN 36590-52-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-phenyl- (9CI) (CA INDEX NAME)



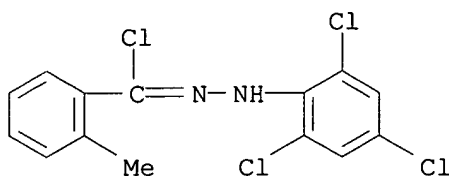
RN 50656-07-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,5-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



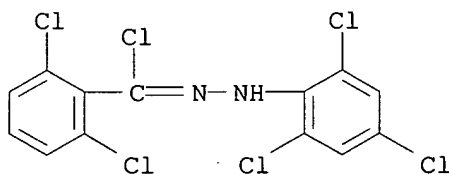
RN 50656-24-1 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2-methyl-N-(2,4,6-trichlorophenyl)-
(9CI) (CA INDEX NAME)



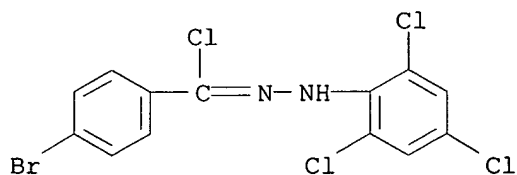
RN 50656-30-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,6-dichloro-N-(2,4,6-trichlorophenyl)-
(9CI) (CA INDEX NAME)



RN 50802-13-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-(2,4,6-trichlorophenyl)- (9CI)
(CA INDEX NAME)



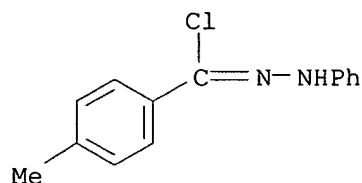
IT 25939-01-9P 50656-23-0P 77635-35-9P
77635-36-0P 77635-37-1P 77635-54-2P
77635-55-3P 77635-56-4P 77635-63-3P
77635-64-4P

RL: BAC (Biological activity or effector, except adverse); BSU
(Biological study, unclassified); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation and anthelmintic activity of)

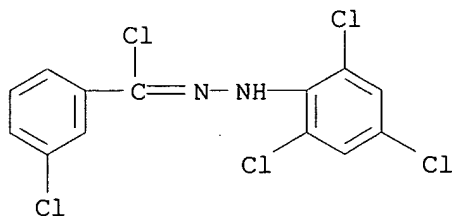
RN 25939-01-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



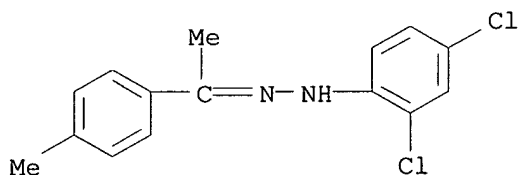
RN 50656-23-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-chloro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



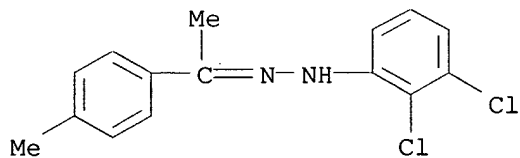
RN 77635-35-9 CAPLUS

CN Ethanone, 1-(4-methylphenyl)-, (2,4-dichlorophenyl)hydrazone (9CI) (CA INDEX NAME)



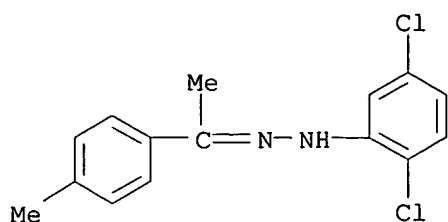
RN 77635-36-0 CAPLUS

CN Ethanone, 1-(4-methylphenyl)-, (2,3-dichlorophenyl)hydrazone (9CI) (CA INDEX NAME)

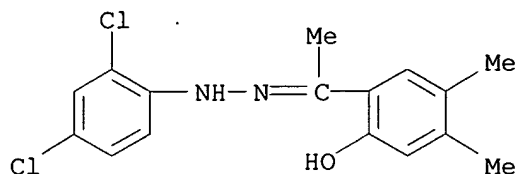


RN 77635-37-1 CAPLUS

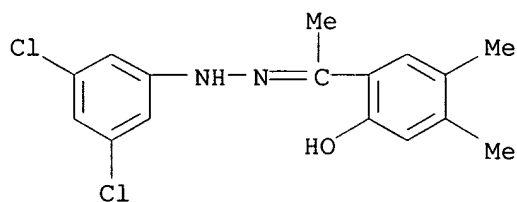
CN Ethanone, 1-(4-methylphenyl)-, (2,5-dichlorophenyl)hydrazone (9CI) (CA INDEX NAME)



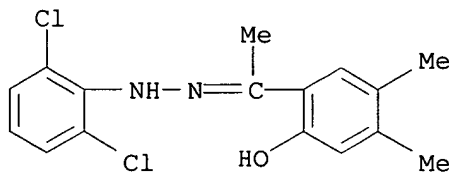
RN 77635-54-2 CAPLUS
 CN Ethanone, 1-(2-hydroxy-4,5-dimethylphenyl)-, (2,4-dichlorophenyl)hydrazone
 (9CI) (CA INDEX NAME)



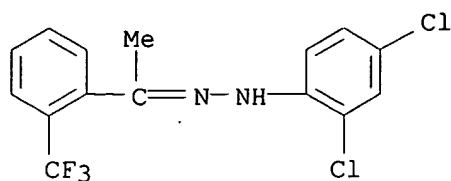
RN 77635-55-3 CAPLUS
 CN Ethanone, 1-(2-hydroxy-4,5-dimethylphenyl)-, (3,5-dichlorophenyl)hydrazone
 (9CI) (CA INDEX NAME)



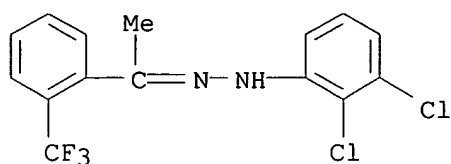
RN 77635-56-4 CAPLUS
 CN Ethanone, 1-(2-hydroxy-4,5-dimethylphenyl)-, (2,6-dichlorophenyl)hydrazone
 (9CI) (CA INDEX NAME)



RN 77635-63-3 CAPLUS
 CN Ethanone, 1-[2-(trifluoromethyl)phenyl]-, (2,4-dichlorophenyl)hydrazone
 (9CI) (CA INDEX NAME)



RN 77635-64-4 CAPLUS

CN Ethanone, 1-[2-(trifluoromethyl)phenyl]-, (2,3-dichlorophenyl)hydrazone
(9CI) (CA INDEX NAME)

L63 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1978:443103 CAPLUS

DOCUMENT NUMBER: 89:43103

TITLE: Arylhydrazone derivatives useful in biocidal compositions

INVENTOR(S): Clark, Michael Thomas; Ten Haken, Pieter

PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B. V.,
Neth.

SOURCE: Ger. Offen., 34 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

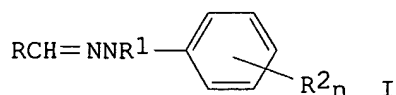
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2744385	A1	19780406	DE 1977-2744385	19771003
DE 2744385	C2	19861218		
GB 1592851	A	19810708	GB 1976-41300	19761005
BE 859314	A1	19780403	BE 1977-181401	19771003
SE 7711055	A	19780406	SE 1977-11055	19771003
JP 53046931	A2	19780427	JP 1977-117983	19771003
JP 62009084	B4	19870226		
FR 2367056	A1	19780505	FR 1977-29680	19771003
FR 2367056	B1	19801024		
BR 7706586	A	19780606	BR 1977-6586	19771003
DD 132289	C	19780920	DD 1977-201318	19771003
ES 462862	A1	19781216	ES 1977-462862	19771003
CH 633675	A	19821231	CH 1977-12073	19771003
NL 7710838	A	19780407	NL 1977-10838	19771004
AU 7729339	A1	19790412	AU 1977-29339	19771004
ZA 7705875	A	19780530	ZA 1977-5875	19771023
			GB 1976-41300	A 19761005

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): CASREACT 89:43103

ED Entered STN: 12 May 1984

GI



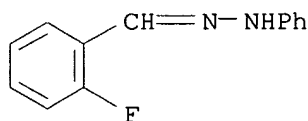
AB Hydrazones I (R = Ph, pyridyl, thienyl, pyrrolyl, furyl, optionally substituted by halogen, alkyl, alkoxy, NO₂, OCH₂O; R₁ = H, CHO; R₂ = halogen, NO₂, alkyl, alkoxy; n = 0-2) (63 compds.) were prepared. Thus, 2-thiophenecarboxaldehyde was treated with 4-ClC₆H₄NHNH₂.HCl to give 73% I (R = 2-thienyl, R₁ = H, R₂ = 4-Cl), which at 1 kg/ha gave >80% inhibition of *Plasmopara uticola* infection and also had insecticidal and acaricidal activities.

IT 348-14-1P 2829-25-6P 3101-04-0P
16917-42-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and fungicidal activity of)

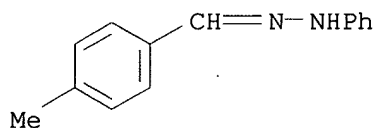
RN 348-14-1 CAPLUS

CN Benzaldehyde, 2-fluoro-, phenylhydrazone (9CI) (CA INDEX NAME)



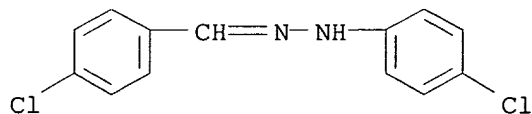
RN 2829-25-6 CAPLUS

CN Benzaldehyde, 4-methyl-, phenylhydrazone (9CI) (CA INDEX NAME)



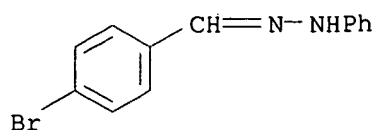
RN 3101-04-0 CAPLUS

CN Benzaldehyde, 4-chloro-, (4-chlorophenyl)hydrazone (9CI) (CA INDEX NAME)



RN 16917-42-3 CAPLUS

CN Benzaldehyde, 4-bromo-, phenylhydrazone (9CI) (CA INDEX NAME)



L63 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1977:422800 CAPLUS
 DOCUMENT NUMBER: 87:22800
 TITLE: Benzoyl chloride phenylhydrazones against insects and mites
 INVENTOR(S): Kaugars, Girts; Gemrich, Edwin G., II
 PATENT ASSIGNEE(S): Upjohn Co., USA
 SOURCE: U.S., 14 pp. Cont.-in-part of U.S. 3,879,543.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4017540	A	19770412	US 1972-228359	19720222
US 3879543	A	19750422	US 1968-779251	19681126
IL 31671	A1	19730531	IL 1969-31671	19690221
NL 6903247	A	19690908	NL 1969-3247	19690303
FR 2003172	A5	19691107	FR 1969-5745	19690303
GB 1254585	A	19711124	GB 1969-1254585	19690303
GB 1254586	A	19711124	GB 1969-1254586	19690303
BR 6906846	A0	19730419	BR 1969-206846	19690304
CA 948212	A2	19740528	CA 1972-134645	19720214
PRIORITY APPLN. INFO.:			US 1968-709943	A2 19680304
			US 1968-779251	A2 19681126
			CA 1969-44160	A3 19690227

ED Entered STN: 12 May 1984

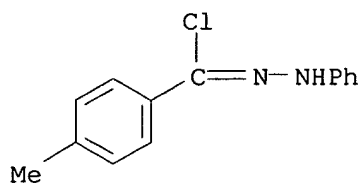
AB PhCCl:NNHPh (I) derivs. in which 1 or both benzene rings are substituted independently by 1 or more halo atoms or NO₂ or alkyl groups were prepared by treating the corresponding derivative of BzNHNHPh with PCl₅ to obtain a PhCl:NNHPh(O)Cl₂ derivative, which was treated with PhOH to obtain the I derivative, or I or a I derivative was further treated, e.g., halogenated, to obtain the desired product. I derivs. were useful as insecticides, acaricides, anthelmintics, defoliants, and anorexigenic agents; anthelmintic data were given for 4-MeC₆H₄CCl:NNHPh. Among 24 other I derivs. prepared were 4-O₂NC₆H₄CCl:NNHPh, 4-ClC₆H₄CCl:NNHC₆H₂Cl₃-2,4,6, PhCCl:NNHC₆H₃Br₂-2,4, and C₆F₅CCl:NNHPh.

IT 25939-01-9P 25939-02-0P

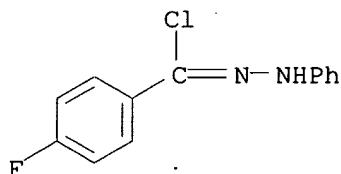
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and anthelmintic activity of)

RN 25939-01-9 CAPLUS

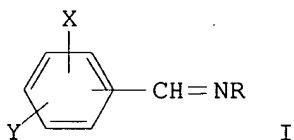
CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



RN 25939-02-0 CAPLUS
 CN Benzenecarbohydrazonoyl chloride, 4-fluoro-N-phenyl- (9CI) (CA INDEX NAME)



L63 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1976:442100 CAPLUS
 DOCUMENT NUMBER: 85:42100
 TITLE: Phytotoxicity of hydrazones of aromatic aldehydes
 AUTHOR(S): Mazza, M.; Montanari, L.; Pavanetto, F.
 CORPORATE SOURCE: Dep. Chim. Farm., Univ. Pavia, Pavia, Italy
 SOURCE: Farmaco, Edizione Scientifica (1976), 31(5), 334-44
 CODEN: FRPSAX; ISSN: 0430-0920
 DOCUMENT TYPE: Journal
 LANGUAGE: Italian
 ED Entered STN: 12 May 1984
 GI

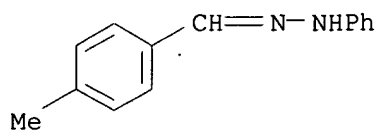


AB The title compds. I (X and Y = H, OH, Me, OMe, halo, NO₂, etc.; R = NHPh, NMePh, NMe₂, NHAc and 1,2,4-triazolyl) and the related compds. were prepared and tested for herbicidal activity on 7 weed species. Most compds. were active, especially against *Amaranthus retroflexus*. The highest activity was shown i.e. by 4-(4-isopropylbenzylidene)amino-1,2,4-triazole [32787-77-2], 2-methoxybenzaldehyde methylphenylhydrazone [23718-92-5] and salicylaldehyde methylphenylhydrazone [59670-28-9].
 IT 2829-25-6P 2829-26-7P 6579-24-4P
 16917-42-3P 21719-62-0P 21719-63-1P
 34158-76-4P 42963-59-7P 59473-50-6P
 59670-13-2P 59670-70-1P 59670-78-9P
 RL: AGR (Agricultural use); BAC (Biological activity or effector,

except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and herbicidal activity of)

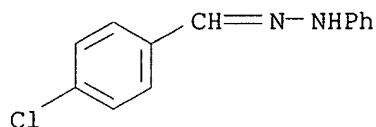
RN 2829-25-6 CAPLUS

CN Benzaldehyde, 4-methyl-, phenylhydrazone (9CI) (CA INDEX NAME)



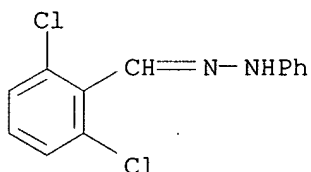
RN 2829-26-7 CAPLUS

CN Benzaldehyde, 4-chloro-, phenylhydrazone (9CI) (CA INDEX NAME)



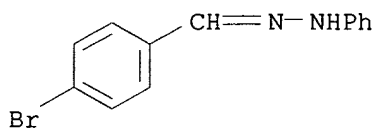
RN 6579-24-4 CAPLUS

CN Benzaldehyde, 2,6-dichloro-, phenylhydrazone (7CI, 8CI, 9CI) (CA INDEX NAME)



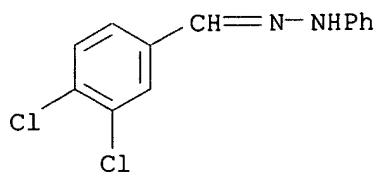
RN 16917-42-3 CAPLUS

CN Benzaldehyde, 4-bromo-, phenylhydrazone (9CI) (CA INDEX NAME)

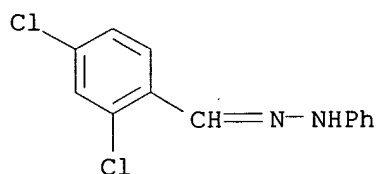


RN 21719-62-0 CAPLUS

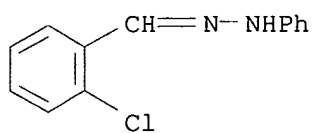
CN Benzaldehyde, 3,4-dichloro-, phenylhydrazone (6CI, 8CI, 9CI) (CA INDEX NAME)



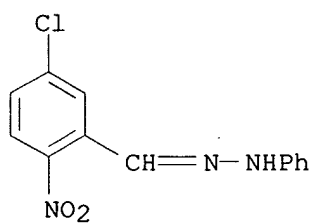
RN 21719-63-1 CAPLUS
CN Benzaldehyde, 2,4-dichloro-, phenylhydrazone (6CI, 8CI, 9CI) (CA INDEX NAME)



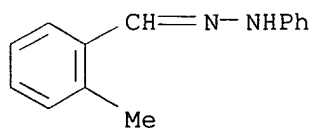
RN 34158-76-4 CAPLUS
CN Benzaldehyde, 2-chloro-, phenylhydrazone (9CI) (CA INDEX NAME)



RN 42963-59-7 CAPLUS
CN Benzaldehyde, 5-chloro-2-nitro-, phenylhydrazone (6CI, 9CI) (CA INDEX NAME)

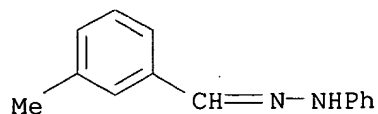


RN 59473-50-6 CAPLUS
CN Benzaldehyde, 2-methyl-, phenylhydrazone (9CI) (CA INDEX NAME)



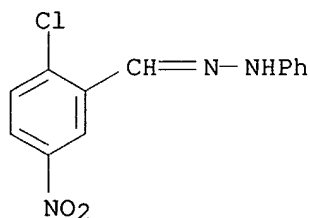
RN 59670-13-2 CAPLUS

CN Benzaldehyde, 3-methyl-, phenylhydrazone (9CI) (CA INDEX NAME)



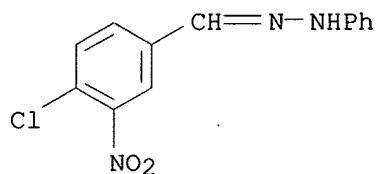
RN 59670-70-1 CAPLUS

CN Benzaldehyde, 2-chloro-5-nitro-, phenylhydrazone (9CI) (CA INDEX NAME)



RN 59670-78-9 CAPLUS

CN Benzaldehyde, 4-chloro-3-nitro-, phenylhydrazone (9CI) (CA INDEX NAME)



L63 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1976:99621 CAPLUS

DOCUMENT NUMBER: 84:99621

TITLE: Anthelmintic methods employing benzoyl chloride phenylhydrazones

INVENTOR(S): Kaugars, Girts

PATENT ASSIGNEE(S): Upjohn Co., USA

SOURCE: U.S., 15 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 5

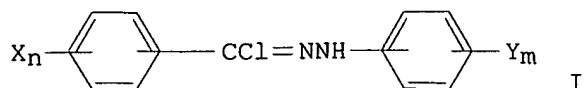
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3932661	A	19760113	US 1974-461705	19740417
US 3879543	A	19750422	US 1968-779251	19681126
FR 2003172	A5	19691107	FR 1969-5745	19690303
BR 6906846	A0	19730419	BR 1969-206846	19690304
CA 948212	A2	19740528	CA 1972-134645	19720214
PRIORITY APPLN. INFO.:			US 1968-709943	A2 19680304
			US 1968-779251	A2 19681126
			US 1970-67220	A2 19700826

CA 1969-44160

A3 19690227

ED Entered STN: 12 May 1984
GI



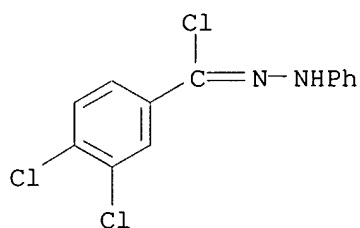
AB Twenty-seven benzoyl chloride phenylhydrazones I (X and Y = halogen, nitro, or alkyl of 1-6 carbon atoms) were useful as anthelmintics in sheep. Thus, p-toluoyl chloride phenylhydrazone (I: X = p-Me; Y = H) [25939-01-9] (≥ 100 mg/kg, orally) was effective against worm infestation. I were prepared by reacting a benzoic acid phenylhydrazine with phosphorus pentachloride [10026-13-8] yielding a benzoyl chloride phenylhydrazone. This product was reacted with phenol [108-95-2] producing the desired benzoyl chloride phenylhydrazone.

IT 25938-99-2P 25939-01-9P 25939-02-0P
25939-03-1P 25939-04-2P 25939-06-4P
25939-08-6P 25939-10-0P 25939-12-2P
25939-15-5P 25939-16-6P 25939-18-8P
25939-19-9P 25939-20-2P 25995-92-0P
39719-33-0P 39719-44-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and anthelmintic activity of)

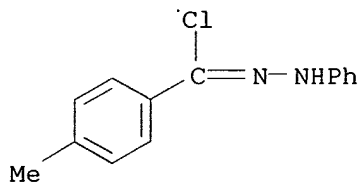
RN 25938-99-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



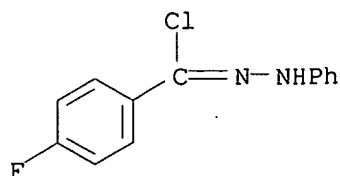
RN 25939-01-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



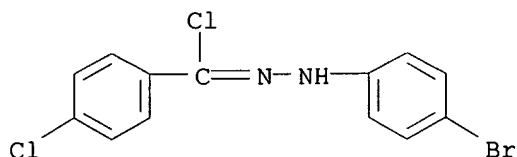
RN 25939-02-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-fluoro-N-phenyl- (9CI) (CA INDEX NAME)



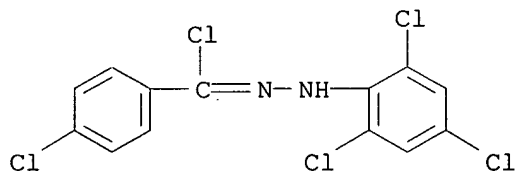
RN 25939-03-1 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-(4-bromophenyl)-4-chloro- (9CI) (CA INDEX NAME)



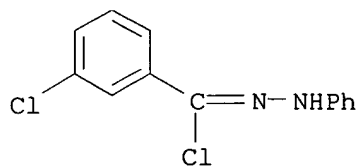
RN 25939-04-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



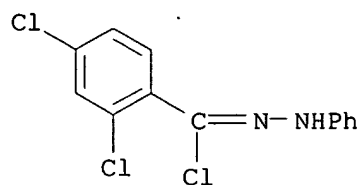
RN 25939-06-4 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-chloro-N-phenyl- (9CI) (CA INDEX NAME)



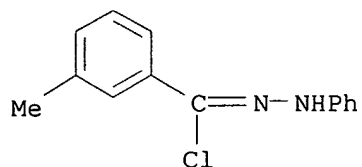
RN 25939-08-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



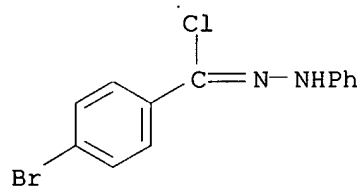
RN 25939-10-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-methyl-N-phenyl- (9CI) (CA INDEX NAME)



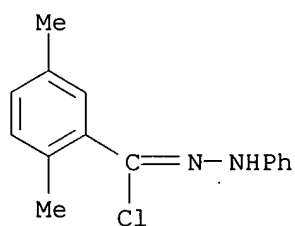
RN 25939-12-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-phenyl- (9CI) (CA INDEX NAME)



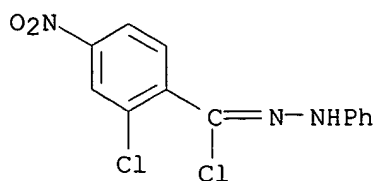
RN 25939-15-5 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,5-dimethyl-N-phenyl- (9CI) (CA INDEX NAME)



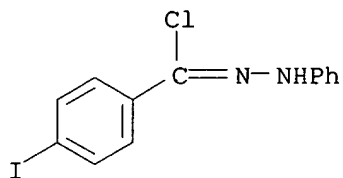
RN 25939-16-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2-chloro-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)



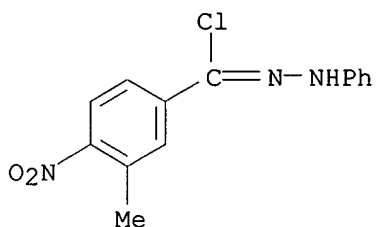
RN 25939-18-8 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-iodo-N-phenyl- (9CI) (CA INDEX NAME)



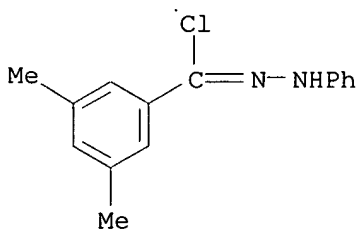
RN 25939-19-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-methyl-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)



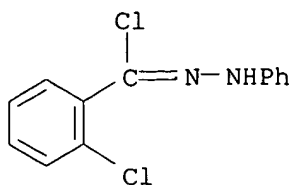
RN 25939-20-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,5-dimethyl-N-phenyl- (9CI) (CA INDEX NAME)

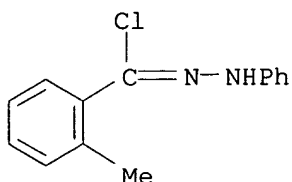


RN 25995-92-0 CAPLUS

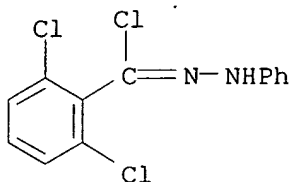
CN Benzenecarbohydrazonoyl chloride, 2-chloro-N-phenyl- (9CI) (CA INDEX NAME)



RN 39719-33-0 CAPLUS
 CN Benzenecarbohydrazonoyl chloride, 2-methyl-N-phenyl- (9CI) (CA INDEX NAME)



RN 39719-44-3 CAPLUS
 CN Benzenecarbohydrazonoyl chloride, 2,6-dichloro-N-phenyl- (9CI) (CA INDEX NAME)

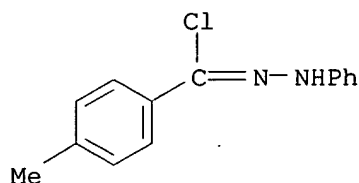


L63 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1976:13472 CAPLUS
 DOCUMENT NUMBER: 84:13472
 TITLE: Repellent additives to reduce pesticide hazards to honeybees. Laboratory testing
 AUTHOR(S): Atkins, E. L.; MacDonald, R. L.; McGovern, T. P.; Beroza, M.; Greywood-Hale, E. A.
 CORPORATE SOURCE: Dep. Entomol., Univ. California, Riverside, CA, USA
 SOURCE: Journal of Apicultural Research (1975), 14(2), 85-97
 CODEN: JACRAQ; ISSN: 0021-8839
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 ED Entered STN: 12 May 1984
 AB Of 143 materials tested as repellents for honeybees, 13 showed antifeeding activity, 18 showed repellency as space repellents, and 3 showed both antifeedant and space repellency. Chems. most repellent to honeybees were: 5-7-membered heterocyclics such as 1-hexanoylpyrrolidine [3389-56-8] straight-chain amides, and short-chain -amide-substituted Ph derivs.
 IT 25939-01-9 25939-02-0 39719-44-3
 RL: BAC (Biological activity or effector, except adverse); BSU

(Biological study, unclassified); BIOL (Biological study)
(insect repellent, for honeybee)

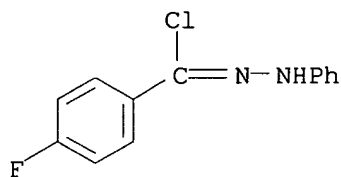
RN 25939-01-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



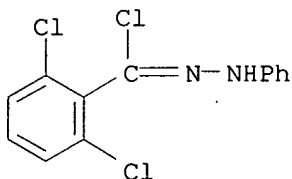
RN 25939-02-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-fluoro-N-phenyl- (9CI) (CA INDEX NAME)



RN 39719-44-3 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,6-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



L63 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1975:472591 CAPLUS

DOCUMENT NUMBER: 83:72591

TITLE: Newer antimycotics. I. Derivatives of phenylhydrazine

AUTHOR(S): Zsolnai, Tibor

CORPORATE SOURCE: Inst. Hyg. Epidemiol., Med. Univ. Debrecen, Debrecen, Hung.

SOURCE: Zentralblatt fuer Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene, Abteilung 1: Originale, Reihe A: Medizinische Mikrobiologie und Parasitologie (1975), 232(1), 119-28
CODEN: ZMMPAO; ISSN: 0300-9688

DOCUMENT TYPE: Journal

LANGUAGE: German

ED Entered STN: 12 May 1984

GI For diagram(s), see printed CA Issue.

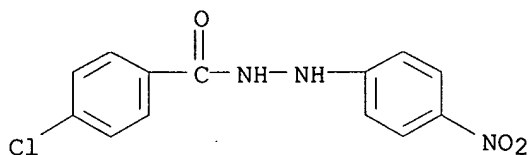
AB Of 101 substituted phenylhydrazines of several types, the N-benzoyl, N-(2- or 4-chlorobenzoyl)-, and N-furoyl derivs. of 3-chloro-, 4-chloro-, and 3,4-dichlorophenylhydrazine were the most effective fungistats, having low mammalian toxicity; they are potentially useful in chemotherapy of superficial human and animal mycoses and chemoprophylaxis of certain phytomycoses. Thus, N-(2-chlorobenzoyl)-N'-(4-chlorophenyl)hydrazine (I) [54812-58-7] was fungistatic in vitro at 10^{-4} M against *Trichophyton*, *Trichothecium roseum*, *Alternaria solani*, *Cladosporium herbarum*, and *Septoria lycopersici* and at 2×10^{-4} M against *Ustilago maydis* and *Nigrospora oryzae*.

IT 965-06-0 7598-88-1 36590-39-3
56049-21-9 56049-28-6 56049-29-7
56049-30-0 56049-31-1

RL: BAC (Biological activity or effector, except adverse); BSU
(Biological study, unclassified); BIOL (Biological study)
(fungistatic activity of)

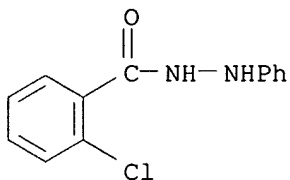
RN 965-06-0 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(4-nitrophenyl)hydrazide (9CI) (CA INDEX NAME)



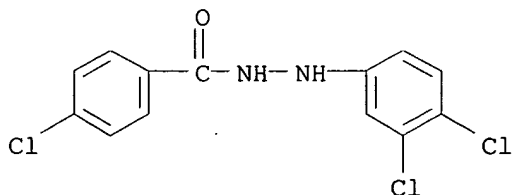
RN 7598-88-1 CAPLUS

CN Benzoic acid, 2-chloro-, 2-phenylhydrazide (9CI) (CA INDEX NAME)



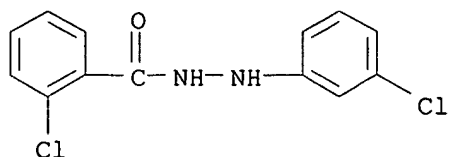
RN 36590-39-3 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(3,4-dichlorophenyl)hydrazide (9CI) (CA INDEX NAME)



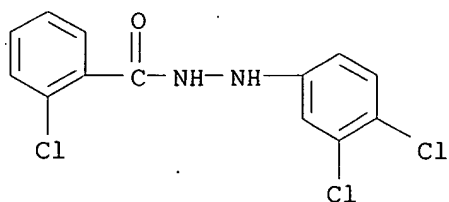
RN 56049-21-9 CAPLUS

CN Benzoic acid, 2-chloro-, 2-(3-chlorophenyl)hydrazide (9CI) (CA INDEX NAME)



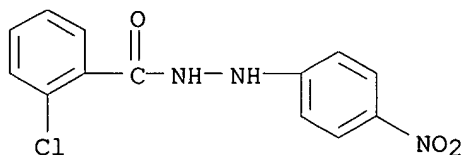
RN 56049-28-6 CAPLUS

CN Benzoic acid, 2-chloro-, 2-(3,4-dichlorophenyl)hydrazide (9CI) (CA INDEX NAME)



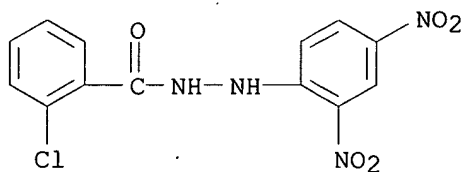
RN 56049-29-7 CAPLUS

CN Benzoic acid, 2-chloro-, 2-(4-nitrophenyl)hydrazide (9CI) (CA INDEX NAME)



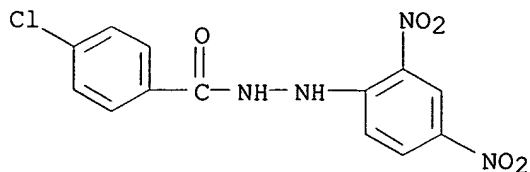
RN 56049-30-0 CAPLUS

CN Benzoic acid, 2-chloro-, 2-(2,4-dinitrophenyl)hydrazide (9CI) (CA INDEX NAME)

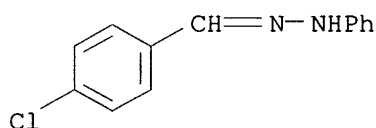


RN 56049-31-1 CAPLUS

CN Benzoic acid, 4-chloro-, 2-(2,4-dinitrophenyl)hydrazide (9CI) (CA INDEX NAME)



L63 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1974:515180 CAPLUS
DOCUMENT NUMBER: 81:115180
TITLE: Antimicrobial effect of some hydrazones and
phenylhydrazones of aromatic aldehydes
AUTHOR(S): Rotmistrov, M. N.; Kulik, G. V.; Skrynik, E. M.;
Bredikhina, A. N.
CORPORATE SOURCE: Kiiiv. Derzh. Univ., Kiev, USSR
SOURCE: Mikrobiologichnii Zhurnal (1934-1977) (1974), 36(2),
244-6
CODEN: MZUKAV; ISSN: 0026-3664
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
ED Entered STN: 12 May 1984
AB Of 32 tested hydrazones, phenylhydrazones, and 2,4-
dinitrophenylhydrazones, salicylic aldehyde hydrazone [3291-00-7],
o-chlorobenzaldehyde hydrazone [52372-78-8], p-nitrobenzaldehyde hydrazone
[6310-10-7], p-dimethylaminobenzaldehyde hydrazone [41463-93-8], cinnamic
aldehyde hydrazone [52372-79-9], salicylic aldehyde phenylhydrazone
[614-65-3], p-chlorobenzaldehyde phenylhydrazone [2829-26-7],
p-chlorobenzaldehyde hydrazone [52372-80-2], p-dimethylaminobenzaldehyde
phenylhydrazone [41463-93-8], and p-diethylaminobenzaldehyde
phenylhydrazone [3101-58-4] exerted the greatest fungicidal effects on
Trichophyton gypseum and Candida albicans. The preps. also showed
bactericidal effects on Staphylococcus aureus and Escherichia coli.
IT 2829-26-7
RL: BAC (Biological activity or effector, except adverse); BSU
(Biological study, unclassified); BIOL (Biological study)
(bactericidal and fungicidal activity of)
RN 2829-26-7 CAPLUS
CN Benzaldehyde, 4-chloro-, phenylhydrazone (9CI) (CA INDEX NAME)



L63 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1973:512347 CAPLUS
DOCUMENT NUMBER: 79:112347
TITLE: Miticidal activity of benzoyl chloride
phenylhydrazones
AUTHOR(S): Kaugars, Girts; Gemrich, Edwin G., II; Rizzo, Victor
L.
CORPORATE SOURCE: Agric. Res. Lab., Upjohn Co., Kalamazoo, MI, USA
SOURCE: Journal of Agricultural and Food Chemistry (1973),
21(4), 647-50
CODEN: JAFCAU; ISSN: 0021-8561
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 12 May 1984
AB When 70 benzoyl chloride phenylhydrazones (I) were screened for acaricidal
and acaride-repellent activity, using the 2-spotted spider mite (Moon, N.
W., et al, 1972), the highest activity was shown by I (X and/or Y = halo).

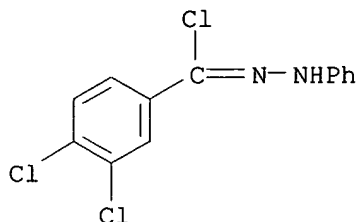
Thus, very high activity was shown by 4-chlorobenzoyl chloride (2-chlorophenyl)hydrazone (I, X = 4-Cl, Y = 2-Cl) [36590-53-1], 4-bromobenzoyl chloride (2-chlorophenyl)hydrazone (X = 4-Br, Y = Cl) [42013-08-1] and benzoyl chloride (3-trifluoromethylphenyl)hydrazone (I, X = H, Y = 3-CF₃) [36590-50-8]. Replacement of the Cl attached to C:N by other groups, or replacement of the hydrazone NH by NMe, decreased the activity.

IT 25938-99-2 25939-01-9 25939-02-0
 25939-03-1 25939-04-2 25939-06-4
 25939-08-6 25939-10-0 25939-12-2
 25939-16-6 25939-18-8 25939-19-9
 36457-11-1 36590-47-3 36590-52-0
 36590-53-1 39719-44-3 50656-05-8
 50656-06-9 50656-07-0 50656-23-0
 50656-24-1 50656-25-2 50656-29-6
 50656-30-9 50656-31-0 50802-13-6

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (acaricides)

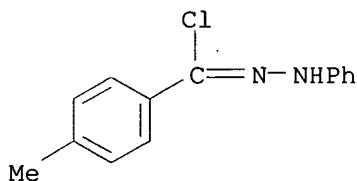
RN 25938-99-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



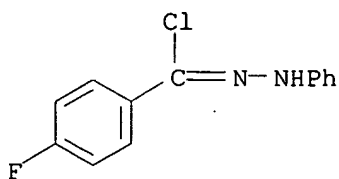
RN 25939-01-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



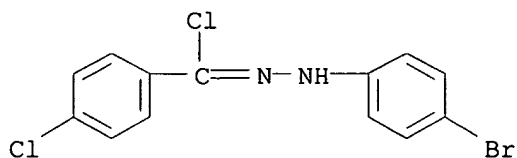
RN 25939-02-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-fluoro-N-phenyl- (9CI) (CA INDEX NAME)



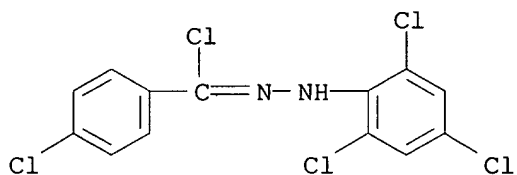
RN 25939-03-1 CAPLUS

CN Benzenecarbohydrazonoyl chloride, N-(4-bromophenyl)-4-chloro- (9CI) (CA INDEX NAME)



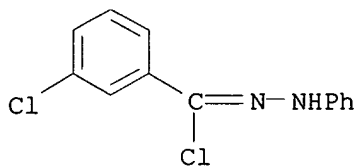
RN 25939-04-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



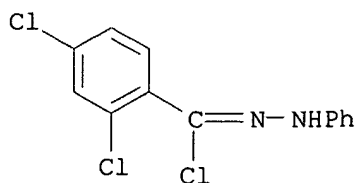
RN 25939-06-4 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-chloro-N-phenyl- (9CI) (CA INDEX NAME)



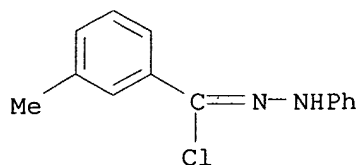
RN 25939-08-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



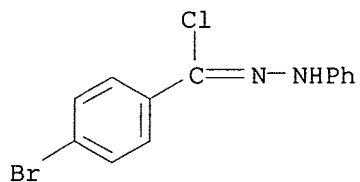
RN 25939-10-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-methyl-N-phenyl- (9CI) (CA INDEX NAME)



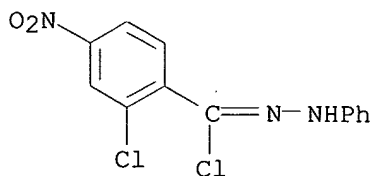
RN 25939-12-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-phenyl- (9CI) (CA INDEX NAME)



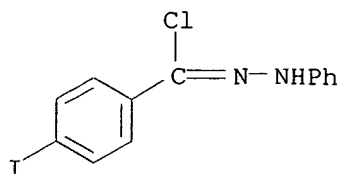
RN 25939-16-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2-chloro-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)

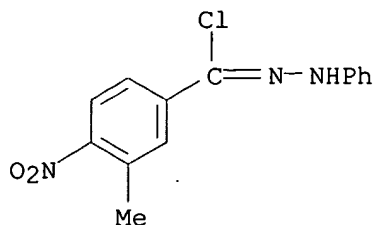


RN 25939-18-8 CAPLUS

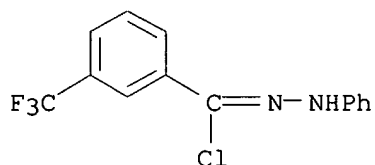
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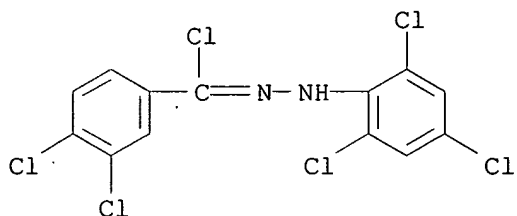
RN 25939-19-9 CAPLUS
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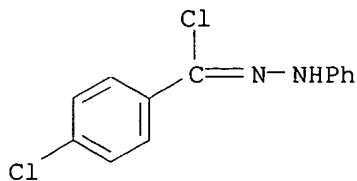
RN 36457-11-1 CAPLUS
CN Benzenecarbohydrazonoyl chloride, N-phenyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 36590-47-3 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 3,4-dichloro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

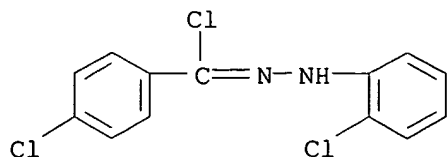


RN 36590-52-0 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-phenyl- (9CI) (CA INDEX NAME)

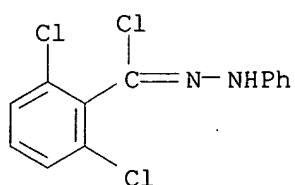


RN 36590-53-1 CAPLUS
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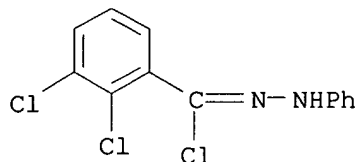
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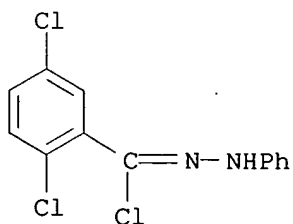
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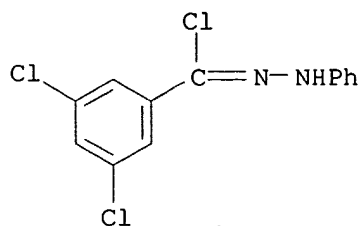
RN 50656-05-8 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 2,3-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



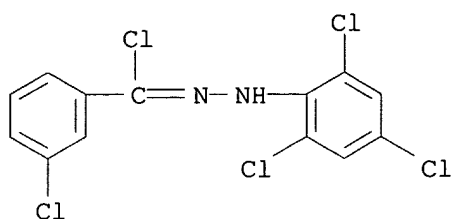
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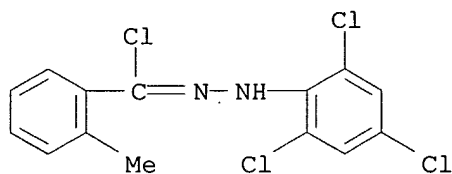
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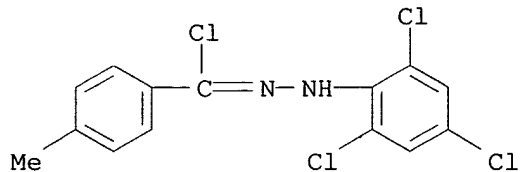
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(9CI) (CA INDEX NAME)



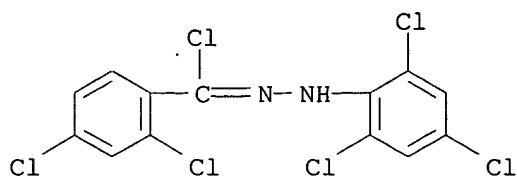
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CN Benzenecarbohydrazonoyl chloride, 2-methyl-N-(2,4,6-trichlorophenyl)-
(9CI) (CA INDEX NAME)



RN 50656-25-2 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-(2,4,6-trichlorophenyl)-
(9CI) (CA INDEX NAME)

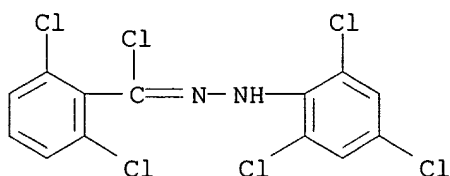


RN 50656-29-6 CAPLUS
CN Benzenecarbohydrazonoyl chloride, 2,4-dichloro-N-(2,4,6-trichlorophenyl)-
(9CI) (CA INDEX NAME)



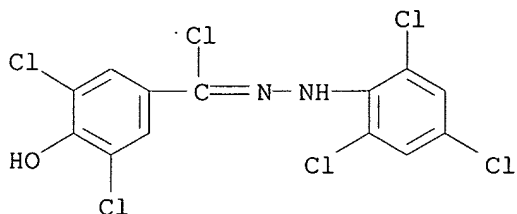
RN 50656-30-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,6-dichloro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



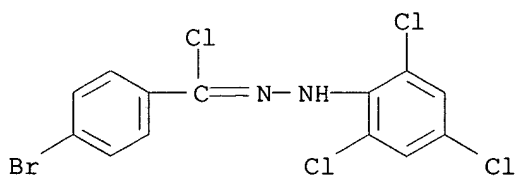
RN 50656-31-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,5-dichloro-4-hydroxy-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



RN 50802-13-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



L63 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1970:97663 CAPLUS

DOCUMENT NUMBER: 72:97663

TITLE: Benzaldehyde phenylhydrazone against yeast-like fungi

AUTHOR(S): Muftic, Mahmoud

CORPORATE SOURCE: Dep. Med. Microbiol., Schering A.-G., Berlin, Fed. Rep. Ger.

SOURCE: Quarterly Journal of Crude Drug Research (1969), 9(4), 1455-9

CODEN: QJDRAZ; ISSN: 0033-5525

DOCUMENT TYPE: Journal
LANGUAGE: English

ED Entered STN: 12 May 1984

AB Phenylhydrazones (I) were tested against 4 species of yeast-like fungi which became very refractory to treatment: *Candida albicans*, *Histoplasma capsulatum*, *Blastomyces dermatitidis*, and *Coccidiomyces immitis*. A series of I was prepared, in which the phenol ring was halogenated in some, and the benzaldehyde ring was halogenated in others. The effects on the 4 species were similar and *C. albicans* sufficed as a test organism. The most active compds. were the benzaldehyde halphenylhydrazones, i.e., with halogen on the I ring, for example, benzaldehyde p-bromophenylhydrazone, with min. inhibitory concentration (MIC) of 5-10 γ /ml. The most significant increase in activity or decrease in MIC came with NH₂ groups on the benzaldehyde ring, e.g., 4-dimethylaminobenzaldehyde 4-bromophenylhydrazone with MIC of 0.1-1 γ /ml. Of the various halogens, the fungistatic potency followed the order Br > Cl = I > F. Introduction of a 2nd halogen atom in the Ph ring did not decrease MIC values. Introduction of the MeO, EtO, OH, and dioxy groups into the benzaldehyde ring decreased fungistatic activity considerably as did alkyl substituents (e.g., iso-Pr). The LD₅₀ values were determined for oral and IV administration to mice of 20 g average weight

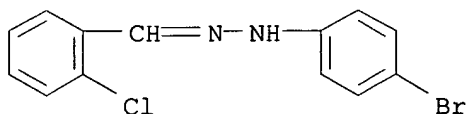
Animal toxicity increased with halogen content following the order: I > Cl > F > Br. In addition to studies on the 30 I compds., and pyrrole and acetophenone derivs., results are reported with I.HCl and its 3-bromo derivative

IT 27241-91-4 27241-93-6 27246-77-1
27246-78-2 27246-83-9 27246-84-0
27246-86-2 27246-87-3 27246-88-4
27246-90-8 27246-93-1 27246-95-3

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (fungicidal activity of)

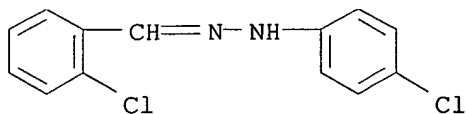
RN 27241-91-4 CAPLUS

CN Benzaldehyde, o-chloro-, (p-bromophenyl)hydrazone (8CI) (CA INDEX NAME)



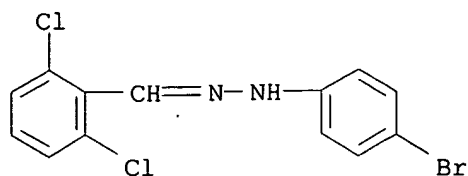
RN 27241-93-6 CAPLUS

CN Benzaldehyde, o-chloro-, (p-chlorophenyl)hydrazone (8CI) (CA INDEX NAME)

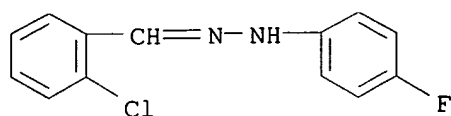


RN 27246-77-1 CAPLUS

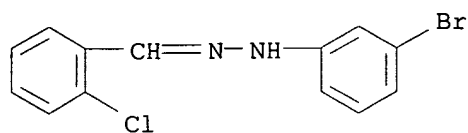
CN Benzaldehyde, 2,6-dichloro-, (4-bromophenyl)hydrazone (9CI) (CA INDEX NAME)



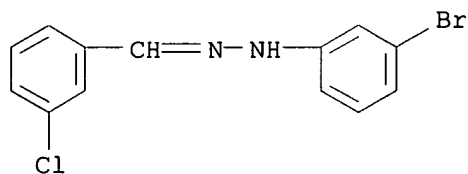
RN 27246-78-2 CAPLUS
CN Benzaldehyde, o-chloro-, (p-fluorophenyl)hydrazone (8CI) (CA INDEX NAME)



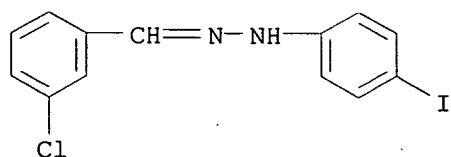
RN 27246-83-9 CAPLUS
CN Benzaldehyde, o-chloro-, (m-bromophenyl)hydrazone (8CI) (CA INDEX NAME)



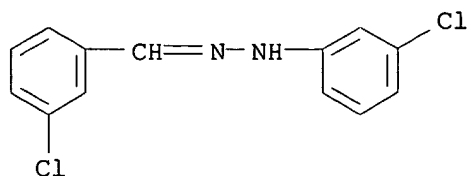
RN 27246-84-0 CAPLUS
CN Benzaldehyde, m-chloro-, (m-bromophenyl)hydrazone (8CI) (CA INDEX NAME)



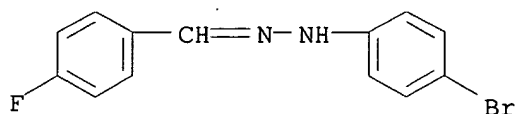
RN 27246-86-2 CAPLUS
CN Benzaldehyde, m-chloro-, (p-iodophenyl)hydrazone (8CI) (CA INDEX NAME)



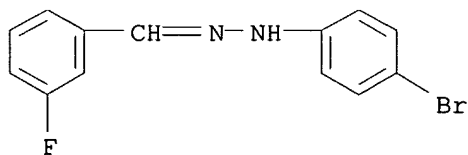
RN 27246-87-3 CAPLUS
CN Benzaldehyde, m-chloro-, (m-chlorophenyl)hydrazone (8CI) (CA INDEX NAME)



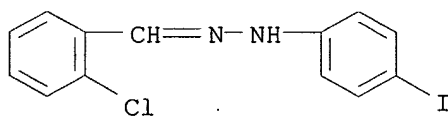
RN 27246-88-4 CAPLUS
CN Benzaldehyde, p-fluoro-, (p-bromophenyl)hydrazone (8CI) (CA INDEX NAME)



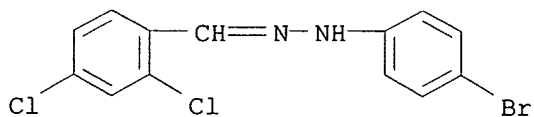
RN 27246-90-8 CAPLUS
CN Benzaldehyde, m-fluoro-, (p-bromophenyl)hydrazone (8CI) (CA INDEX NAME)



RN 27246-93-1 CAPLUS
CN Benzaldehyde, o-chloro-, (p-iodophenyl)hydrazone (8CI) (CA INDEX NAME)



RN 27246-95-3 CAPLUS
CN Benzaldehyde, 2,4-dichloro-, (p-bromophenyl)hydrazone (8CI) (CA INDEX NAME)



L63 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1970:54978 CAPLUS
DOCUMENT NUMBER: 72:54978
TITLE: Insecticidal and miticidal benzoyl chloride
phenylhydrazones
INVENTOR(S): Kaugars, Girts; Gemrich, Edwin G., II
PATENT ASSIGNEE(S): Upjohn Co.

SOURCE: Ger. Offen., 40 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1909868	A	19691016	DE 1969-1909868	19690227
US 3879543	A	19750422	US 1968-779251	19681126
IL 31671	A1	19730531	IL 1969-31671	19690221
NL 6903247	A	19690908	NL 1969-3247	19690303
FR 2003172	A5	19691107	FR 1969-5745	19690303
GB 1254585	A	19711124	GB 1969-1254585	19690303
GB 1254586	A	19711124	GB 1969-1254586	19690303
BR 6906846	A0	19730419	BR 1969-206846	19690304
CA 948212	A2	19740528	CA 1972-134645	19720214
PRIORITY APPLN. INFO.:			US 1968-709943	A 19680304
			US 1968-779251	A 19681126
			CA 1969-44160	A3 19690227

ED Entered STN: 12 May 1984

GI For diagram(s), see printed CA Issue.

AB I are prepared by reaction of II with PCl_5 and treating the product with PhOH . Also, I are prepared by chlorination of benzaldehyde phenylhydrazones, or by reaction of α, α -trichlorotoluene with 2,4-dinitrophenylhydrazine. II, prepared by known methods, are used as starting materials (X, Y, and m.p. given): 3,4- Cl_2 , H, 171.5-3°; H, 2,5- Cl_2 , 161-2°; 4-F, H, 177-9°; 4-Cl, 4-Br, 184.5°; 4-Cl, H, 156-7.5°; 2-Cl, H, 154.5-5.5°; 4-iso-Pr, H, 200.5-2.5°; H, 2-Me, 183-4.5°; 2,4- Cl_2 , H, 181-2°; 3-Me, H, 162-3°; H, 4-Cl, 153.5-4.5°; 4-I, H, 210-11°; 3,5-Me₂, H, 197.5-8.5°; 3,4-Me-(O₂N), H, 163-4.5°; 2,5-Me₂, H, 208-9°; 2,4-Cl(O₂N), H, 179-80°; 2,3,4,5,6-F₅, H, 152.5-3.5°, and 4-Br, H, 200-1°. Thus, 12.86 g p-nitrobenzoylphenylhydrazine was added to 10.41 g PCl_5 in 75 ml CCl_4 , refluxed, cooled, and added to a mixture of 15.5 g PhOH and 50 ml CCl_4 to give 4.1 g I (X = 4-NO₂, Y = H), m. 156-7.5°. (C_6H_6 -ligroine, b. 95-100°, 1:3). The following I were prepared (X, Y, and m.p. given): 3,4- Cl_2 , H, 122-3.5°; H, 2,5- Cl_2 , 84.5-6°; 4-Me, H, 133-4.5°; 4-F, H, 118-20°; 4-Cl, 4-Br, 142-3.5°; 3-Cl, H, 80-81.5°; 4-iso-Pr, H, 100.5-2°; 2,4- Cl_2 , H, 88.5-9.5°; H, 4-Cl, 107-8.5°; 4-Br, H, 151.5-3°; H, 4-NO₂, 195-6°; 2,4-Cl(O₂N), H, 124-6°; 2,6- Cl_2 , H, -; 2,3,4,5,6-F₅, H, 117-18°; 4-I, H, 164-5°; 3,4-Me(O₂N), H, 146-7.5°; 4-Bu, H, -; 4-(1-methylbutyl), H, -; 4-hexyl, H, -; 3,4,5-Me₃, H, -; 2,4,6-iso-Pr₃, 3,5-iso-Pr₂, -; 4-Me, 4-Et, -; 4-hexyl, 4-hexyl, -; 3,5-Cl(Me), H, -; 4-Me, 4-Br, -; 4-NO₂, 4-Br, -; 4-NO₂, 4-iso-Pr, -; 4-iso-Pr, 2-Cl-4-NO₂, -. The following I prepared by the same method gave oily products which were purified by chromatog. (X, Y, and m.p. given): 2-Me, H, -; 2-Cl, H, -; H, 2-Me, 64.5-6°; 3-Me, H, 66-7°; 2,5-Me₂, H, 48.5-9°; 3,4-Me₂, H, -; 3,5-Me₂, H, 47.5-8.5°. In another method, 7.0 ml Cl was added to a suspension of 6.92 g p-chlorobenzaldehyde phenylhydrazone in 100 ml AcOH. The mixture was diluted with 100 ml AcOH to give 8.13 g I (X = 4-Cl, Y = 2,4,6- Cl_3), m. 123-4°. Similarly prepared were (X, Y, and m.p. given): H, 2,4,6- Cl_3 , 93-4.5°; 3-Me, H, -; 4-iso-Pr, 2,4,6- Cl_3 , -; H, 2,6,4- Cl_2 (Me), -. Reaction of 5.0 g I (X = H, Y = H) with 10.8 g Br in 200 ml CCl_4 at 0° gave I (X = H, Y = 2,4-Br₂), m. 103-4°.

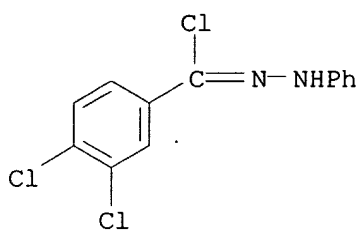
I are used as active compds. in insecticidal and miticidal compns. for the eradication of arthropods e.g. insects and mites, I (X = H, Y = 2,5 -Cl₂) and I (X = 4-Cl, Y = 2,4,6-Cl₃) are anorexigenic agents.

IT 25938-99-2 25939-01-9 25939-02-0
25939-04-2 25939-06-4 25939-08-6
25939-10-0 25939-12-2 25939-15-5
25939-16-6 25939-18-8 25939-19-9
25939-20-2

RL: BAC (Biological activity or effector, except adverse); BSU
(Biological study, unclassified); BIOL (Biological study)
(pesticidal activity of)

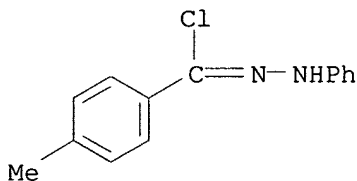
RN 25938-99-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



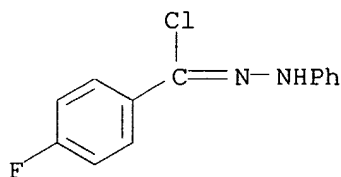
RN 25939-01-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-methyl-N-phenyl- (9CI) (CA INDEX NAME)



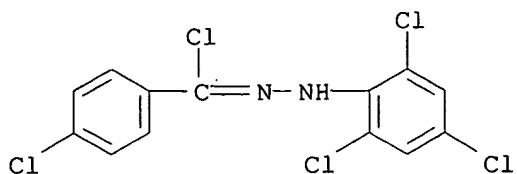
RN 25939-02-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-fluoro-N-phenyl- (9CI) (CA INDEX NAME)



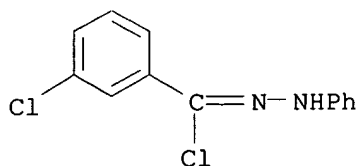
RN 25939-04-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-chloro-N-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



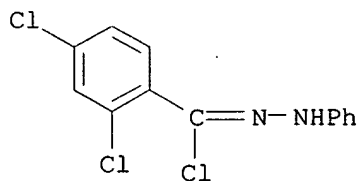
RN 25939-06-4 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-chloro-N-phenyl- (9CI) (CA INDEX NAME)



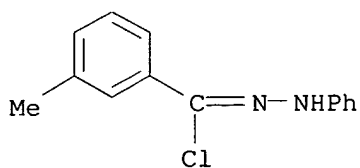
RN 25939-08-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,4-dichloro-N-phenyl- (9CI) (CA INDEX NAME)



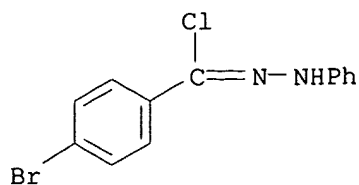
RN 25939-10-0 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-methyl-N-phenyl- (9CI) (CA INDEX NAME)



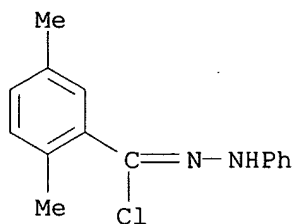
RN 25939-12-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-bromo-N-phenyl- (9CI) (CA INDEX NAME)



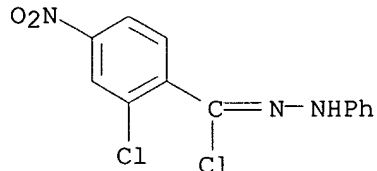
RN 25939-15-5 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2,5-dimethyl-N-phenyl- (9CI) (CA INDEX NAME)



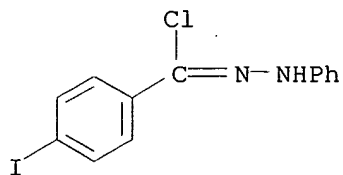
RN 25939-16-6 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 2-chloro-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)



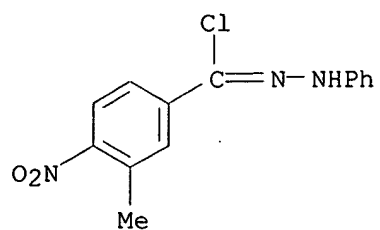
RN 25939-18-8 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 4-iodo-N-phenyl- (9CI) (CA INDEX NAME)



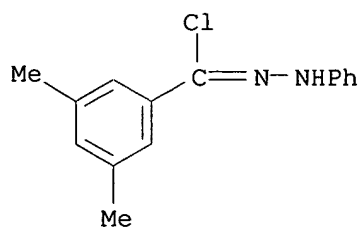
RN 25939-19-9 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3-methyl-4-nitro-N-phenyl- (9CI) (CA INDEX NAME)



RN 25939-20-2 CAPLUS

CN Benzenecarbohydrazonoyl chloride, 3,5-dimethyl-N-phenyl- (9CI) (CA INDEX NAME)



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